

**2019-2020
PLANO ISD**

**HIGH SCHOOL
GRADES
9TH-12TH**



COURSE CATALOG

**◇ FOR STUDENTS
ENTERING 9TH GRADE
IN 2019 – 2020
IT IS IMPORTANT
THAT THE STUDENT
KEEP
THIS CATALOG UNTIL
GRADUATION**

The Plano ISD website address for the Course Catalog is as follows: <https://www.pisd.edu/coursecatalogs>. The website contains the current year, including any revisions after printing, as well as previous years for student / parent reference.

It is the policy of Plano ISD not to discriminate on the basis of race, color, national origin, sex or handicap in its vocational programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Educational Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended. Plano ISD will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs. Plano ISD will take steps to ensure cost will not prevent access to programs.

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Graphic Design & Illustration I Student, Plano Senior High School

Course Catalog Revisions

Any revision made to the 2019-2020 Course Catalog after the initial printing will be listed here.

Revised:

- March 18, 2019 – Added updated Grade Point Average (GPA) Chart; page 8
- January 22, 2020 – Added EIC (EXHIBIT) information; pages 8-12
- February 13, 2020 - Updated EIC (EXHIBIT); pages 9-12



TEAMWORK FOR EXCELLENCE

P L A N O
Independent School District

Plano Independent School District offers a strong foundation for a lifetime of learning, providing opportunities for all students to experience success beyond graduation. This high school course catalog has been prepared to assist students in making wise decisions concerning programs and course choices during their secondary years.

Parents and students are urged to review carefully the information contained in this catalog and to work closely with school counselors to develop four-year, state-recommended educational plans. To assist in the planning process, the catalog includes a description of each course and its requirements in the secondary program.

With careful and thoughtful planning, along with strong communication with teachers, counselors, administrative staff and parents, students will be well on their way to achieving success in a Plano ISD secondary school.

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STAAR EOC Assessments and Your Graduation Plans

Successful completion of STAAR End of Course (EOC) assessments is required to earn a state diploma.

English Language Arts:

English I EOC
English II EOC

Mathematics:

Algebra I EOC

Science:

Biology EOC

Social Studies:

US History EOC

Grade Point Average (GPA) Chart

Plano ISD
043910

EIC
(Local)

Academic Achievement:
Class Ranking

Grade points for **grades 9 – 12** shall be assigned according to the chart below:

Numerical Grade	Distinguished*	Honors*	Regular	Modified	Applied / Fundamental / Basic / Developmental
97 and above	5.0	4.5	4.0	3.5	2.5
93–96	4.8	4.3	3.8	3.3	2.3
90–92	4.6	4.1	3.6	3.1	2.1
87–89	4.4	3.9	3.4	2.9	1.9
83–86	4.2	3.7	3.2	2.7	1.7
80–82	4.0	3.5	3.0	2.5	1.5
77–79	3.8	3.3	2.8	2.3	1.3
73–76	3.6	3.1	2.6	2.1	1.1
71–72	3.4	2.9	2.4	1.9	1.0
70	3.0	2.5	2.0	1.5	1.0
Below 70	0	0	0	0	0

* EIC (EXHIBIT) for identified courses and grade points.

Cumulative GPA

- All students receive a Cumulative GPA.
- To calculate a Cumulative GPA, include final semester grades from all credit earning courses.

Ranking GPA

- The Ranking GPA is internally calculated solely for the purpose of determining the top 10% of a graduating class.
- The Ranking GPA will only be calculated and available for those students who are in the top 10% of their graduating class.
- The Ranking GPA will be calculated for the first time during the fall of a student's 11th grade year.

Note: The following shall apply to students beginning with the graduating class of 2023.

COURSE WEIGHT DESIGNATIONS

Distinguished Level Courses (5.0 GPA credit)

<u>Computer Science</u> AP Computer Science Principles AP Computer Science A Computer Science SL/HL <u>English</u> AP English III (includes American Studies) IB English III HL AP English IV IB English IV HL <u>Health Sciences Academy</u> HSA- Principles of Biomedical Science (PLTW) HSA-Human Body Systems (PLTW) HSA-Practicum in Health Science HSA-Medical Interventions (PLTW) <u>Information Technology</u> Internetworking Technologies I Internetworking Technologies II <u>Languages Other Than English</u> Chinese IV AP IB Chinese IV SL French IV AP IB French IV SL IB French V HL German IV AP Spanish IV AP IB Spanish IV SL Spanish V AP IB Spanish V HL <u>Miscellaneous Courses</u> AP Capstone: AP Seminar	<u>Mathematics</u> AP Calculus AB AP Calculus BC IB Mathematics Analysis & Approaches SL IB Mathematics Analysis & Approaches HL IB Mathematics Applications & Interpretation SL IB Mathematics Applications & Interpretation HL AP Statistics Multivariable Calc Dual Credit <u>Music Education</u> AP Music Theory <u>Science</u> AP Biology + Advanced Bio Lab IB Biology SL/HL AP Chemistry + Advanced Chem Lab IB Chemistry SL/HL AP Physics C AP Physics 1/2 IB Physics HL AP Environmental Science IB Environmental Systems SL Engineering Science (PLTW) <u>Science, Technology, Engineering, and Mathematics</u> Introduction to Engineering Design (PLTW) Engineering Science (PLTW) Aerospace Engineering (PLTW) Digital Electronics (PLTW) Engineering Design and Development (PLTW)	<u>Social Studies</u> AP Human Geography (includes IH Humanities I) AP World History (includes Humanities II & IH Humanities II) AP US History (includes American Studies) IB History of the Americas HL AP Government & Politics (includes American Principles) AP Economics Micro AP Economics Macro (includes American Principles) IB Economics SL/HL AP Comparative Government AP Psychology AP European History IB Theory of Knowledge IB World Area Studies HL <u>Visual Arts Education</u> IB Art Design III SL IB Art Design IV HL AP 2D Art and Design AP 3D Art and Design AP Drawing AP Art History
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Honors Level Courses (4.5 GPA credit)

<u>Agr, Food, and Nat Resources</u> Practicum in Agriculture, Food, and Natural Resources <u>Computer Science</u> Computer Science III Honors <u>Education and Training</u> Practicum in Education and Training <u>English</u> English I Honors (includes Humanities I) English I IH (includes IH Humanities I) English II Honors English II IH (includes IH Humanities II) English III Honors English III Dual Credit English IV Honors English IV Dual Credit <u>Finance</u> Accounting II Honors <u>Health Science</u> Practicum in Health Science II <u>Hospitality and Tourism</u> Practicum in Culinary Arts <u>Visual Arts Education</u> Art I: 2D Design & Drawing Honors IH Art Design I Art I: 3D Design & Sculpture Honors IH Art Design II Art II: 2D Design & Drawing Honors Art II: 3D Design & Sculpture Honors	<u>Health Sciences Academy</u> HSA-Principles of Health Science HSA-Medical Terminology HSA-Health Science Theory HSA-Health Science Theory and Clinical <u>Languages Other Than English</u> American Sign Language IV Dual Credit Chinese III Honors Chinese III IH French III Honors French III IH French V Honors German III Honors Spanish III Honors Spanish III IH <u>Mathematics</u> Algebra I Honors Algebra I IH Geometry Honors Geometry IH Algebra II Honors Algebra II IH Pre-Calculus Honors Pre-Calculus Dual Credit Pre-Calculus IH Statistics Dual Credit <u>Music Education</u> Band III Honors Band IV Honors Choir III Honors Choir IV Honors Orchestra III Honors Orchestra IV Honors Music Theory II Honors	<u>Science</u> Biology Honors Biology Dual Credit Biology IH Chemistry Honors Chemistry IH Physics Honors IB Physics SL Honors Scientific Res & Design <u>Science, Tech, Engin, and Math</u> Honors Scientific Res & Design <u>Social Studies</u> World Geography Honors World History Honors US History Dual Credit US Government Dual Credit Economics Dual Credit Sociology Honors <u>Speech</u> Debate III Honors Oral Interpretation III Honors Independent Study in Speech Honors Speech Dual Credit (HSA only) <u>Theatre Education</u> Theatre: Production III Honors Theatre: Production IV Honors IB Theatre Arts SL IB Theatre Arts HL <u>Transportation, Distribution, and Logistics</u> Paint and Refinishing Automotive Technology II: Automotive Service
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COURSES INCLUDED IN THE RANKING GPA

English

English I *or* English I Honors (includes Humanities I) *or* English I IH (includes IH Humanities I)

English II *or* English II Honors *or* English II IH (includes IH Humanities II)

English III *or* English III Honors *or* English III DC *or* AP English III (includes American Studies) *or* IB English III

English IV *or* English IV Honors *or* English IV DC *or* AP English IV *or* IB English IV *or* Eng IV Substitutions*

*Two semesters of English 4 Substitution courses can apply only when courses are used as a substitution and include: Literary Genres, Creative Writing, Research and Technical Writing, Oral Interpretation III, Debate III, Independent Study in Speech, Independent Study in Journalism, Advanced Journalism Newspaper III, Journalism Yearbook III.

Mathematics

Algebra I *or* Algebra I Honors *or* Algebra I IH

Geometry *or* Geometry Honors *or* Geometry IH

Math Models with Applications

Algebra II *or* Algebra II Honors *or* Algebra II IH

Advanced Quantitative Reasoning (AQR)

Pre-Calculus *or* Pre-Calculus Honors *or* Pre-Calculus DC *or* Pre-Calculus IH *or* IB Math Studies SL

AP Calculus AB *or* AP Calculus BC *or* IB Mathematics Analysis & Approaches SL or HL *or* IB Mathematics Applications & Interpretation SL or HL

Statistics *or* Statistics DC

AP Statistics

AP Computer Science A *or* IB Computer Science HL

Digital Electronics

Accounting II Honors

Social Studies

World Geography *or* World Geography Honors *or* AP Human Geography (includes IH Humanities I)

World History *or* World History Honors *or* AP World History (includes Humanities II & IH Humanities II)

US History *or* US History DC *or* AP US History (includes American Studies) *or* IB History of the Americas

US Government *or* US Government Blended *or* US Government DC *or* AP Government & Politics (includes American Principles)

Economics *or* Economics Blended *or* Economics DC *or* AP Economics Micro *or* AP Economics Macro (includes American Principles) *or* IB Economics SL/HL

Science

Biology *or* Biology Honors *or* Biology IH

Integrated Physics and Chemistry (IPC)

Chemistry *or* Chemistry Honors *or* Chemistry IH

Physics *or* Physics Honors *or* IB Physics SL

AP Biology + Advanced Bio Lab *or* IB Biology SL/HL *or* Biology DC

AP Chemistry + Advanced Chem Lab *or* IB Chemistry SL/HL

AP Physics C* *or* AP Physics 1/2** *or* IB Physics HL

AP Environmental Science *or* IB Environmental Systems SL

Environmental Systems

Earth and Space Science

Anatomy and Physiology

Engineering Science

Food Science

Forensic Science

Engineering Design/Prob Solving

*AP Physics C is a one-year course consisting of two separate semester courses (AP Physics C Mechanics and AP Physics C Electricity and Magnetism)

**AP Physics 1/2 is a one year-course consisting of two separate semester courses (AP Physics 1 and AP Physics 2)

College/Career Preparation Timeline

<u>Grades</u>	<u>Goals and Objectives</u>
Grades 6 – 7	Begin to investigate college/career goals and objectives.
Grade 8	Continue to investigate college and career information in order to choose an endorsement pathway in high school. Become aware of the high school graduation plans and available endorsements. Attend an academic conference with parent/s and a middle school counselor in order to create a four-year high school plan and select 9 th grade courses. Attend campus meetings regarding academic planning.
Grade 9	Review career goals and objectives and continue to research colleges and careers of interest. Review academic four-year plan and begin building a high school transcript. Attend evening meetings on your campus regarding post-secondary planning and college admission.
Grade 10	Review career goals and objectives and continue to research colleges and careers of interest. Review academic four-year plan. Participate in an individual academic conference with parent/s and a high school counselor to determine 11 th grade courses. Begin researching scholarships and financial aid. Attend evening meetings on your campus regarding post-secondary planning and college admission. Take the PSAT™ 10 in October. Find free test review materials at https://www.khanacademy.org
Grade 11	Review academic plans and narrow college and career choices. Participate in an individual academic conference with parent/s and a senior high school counselor to determine 12 th grade courses and to discuss post-graduation plans. Attend College Nights in September. Take the PSAT/NMSQT® in October (National Merit Scholarship Qualifying Test). Take the SAT® and/or ACT® in the spring. Find free test review materials at https://www.khanacademy.org Explore scholarship opportunities.
Grade 12	Review post-secondary options. Confer with counselor in early fall. Attend College Nights in September. Take the SAT® and/or ACT® in early fall if needed. Be mindful of deadlines for college admission applications, housing applications and university scholarship applications. Attend financial aid programs and begin the financial aid process in October. Submit scholarship applications throughout the school year.

NAVIANCE STUDENT: A web-based tool, *Naviance* provides students and parents with up to date information on college and career opportunities. All students receive an access code and complete assigned tasks in each grade 6 – 12. *Naviance* provides extensive college and career search tools and assessments, a resume builder, goal setting tools and a course planner. Through their *Naviance Student* account, students may develop and maintain a four-year high school plan, request letters of recommendation, manage college applications, access scholarship information, and complete tasks that will enhance the college and career preparation experience.

Other websites:

www.collegeforalltexas.com

www.act.org

www.fafsa.ed.gov

www.collegeboard.org

www.ncaa.org

High School Program

Acceleration/Credit by Exam

Students may request to take credit by exam for acceleration. In the areas of English, math, science, social studies, or languages other than English, students who choose to accelerate beyond the course offerings available at a campus may be granted access to the next course in the typical sequence depending on course availability. There is no guarantee that the next course in the sequence will be available at either the home campus or another campus, and no transportation or scheduling solutions are guaranteed. Access to courses beyond the typical sequence is granted only for the next course in the sequence.

Students earning course credit through Credit by Exam (CBE) will be scheduled into the next course in the sequence the following year. Because students cannot be scheduled into a course for which they have already earned credit, a schedule change “back” to the course for which the student earned credit via CBE is not permitted. Students who encounter academic struggles in the next course in the sequence should meet with their teachers for additional support.

See the school counselor for more information. More information on credit by exam can be found at <https://www.pisd.edu/cbe>

Advanced Placement Program®

The Advanced Placement (AP) Program of the College Board® enables students to complete college-level studies at Plano East Senior High, Plano Senior High and Plano West Senior High Schools. A limited number of advanced placement courses may be offered on the high school campuses. This “academic bridge” helps smooth the transition from high school to college. The primary goals of the AP Program are to enrich the secondary school experience of students ready to apply themselves to college-level courses and to provide the means by which colleges may grant credit or placement, or both, to students with satisfactory AP® test scores. Students interested in taking these courses are required to meet with their school counselor to review course options as well as the impact the course(s) may have on college degree plans. In addition, before students may withdraw from an honors or other advanced level course, they must have time to understand the course’s related concepts and skills, and teachers must have an opportunity to help students grow into the course expectations. Students enrolled in advanced courses requesting a course withdrawal must complete an “Advanced Course Withdrawal” form provided by their counselor.

Consumable Supply Fee

These fees are charged to students participating in specific classes and activities for consumable supplies that an individual student will use throughout the school year as part of their daily instruction.

Correspondence Courses, Night School, and Summer School

Credits for high school graduation may not be earned until after the 8th grade year through Correspondence (courses are accepted from Texas Tech University and University of Texas at Austin), Night School, or Summer School courses. Grade points are awarded for Night School and Summer School. Grade points will not be awarded for Correspondence Courses. Students taking correspondence courses, night school, and/or summer school will take the STAAR EOC assessments required for graduation. Please see page 3 for a listing of these assessments.

Course Average

According to district policy, EI (LOCAL);

Semester credit for full year courses: with the exception of high school credit courses taken in middle school, if a student earns credit for one semester of a one-credit course by earning a grade of 70 or above but fails to earn a grade of 70 or above for the other semester, the 0.5 credit earned shall not be deducted.

Awarding credit through averaging: with the exception of high school credit courses taken in middle school, a student may be awarded credit for a full year course by either earning a grade of 70 or above in both semesters or by earning a grade of 70 or above when both semester grades are averaged together. Averaging of the two semesters may only be applied the first time a student takes each semester of the course.

Dual Credit Courses

Plano ISD has a dual credit agreement with Collin College, which allows students to earn both high school and college credit for a particular course. Dual credit courses are currently offered in English Language Arts, Mathematics, Science, and Social Studies. Students interested in taking these courses are required to meet with their school counselor to review course options as well as the impact the course(s) may have on college degree plans.

Elective Courses

In addition to these required courses, students may choose other courses to complete their schedules. The number of elective courses that students may choose varies from year to year.

eSchool

Students may earn a total of three credits through correspondence and/or eSchool online courses. More information can be found in this course catalog and/or accessed on the website at <https://www.pisd.edu/eschool>. Currently enrolled Plano ISD students must follow the approval process for these courses through their school counselor. Credits for high school graduation may not be earned until after the 8th grade year. Grade points will not be awarded for eSchool courses.

Honors Courses

A differentiated honors curriculum includes a wider range and greater depth of subject matter than that of an on-level course. Emphasis is placed on higher level and critical thinking skills, on creative, productive thinking and on independent guided research. Before students may withdraw from an honors or other advanced level course, they must have time to understand the course's related concepts and skills, and teachers must have an opportunity to help students grow into the course expectations. Students enrolled in advanced courses requesting a course withdrawal must complete an "Advanced Course Withdrawal" form provided by their counselor.

International Honors/International Baccalaureate (Grades 9 – 10)

The International Honors (IH) program is a locally developed series of courses taken in the 9th and 10th grade years and is designed to prepare students for the challenges of the International Baccalaureate (IB) Full-Diploma Program. IB is an internationally recognized, comprehensive two-year study taken in the 11th and 12th grade years. Please refer to the following link for detailed information: <http://ib.pisd.edu/>.

Local/No State Credit Courses

Some locally developed courses are approved by the Board of Trustees and may be designated for credit or for no credit. No credit courses do not count toward state graduation requirements and cannot be used to fulfill the minimum number of credits on any graduation plan. No credit courses are not included in the calculation of the Cumulative Grade Point Average (GPA). Review Policy EIC(Local) for a list of classes not included in the Cumulative GPA.

Promotion Policy

Promotion guidelines for students are as follows:

1. From the ninth grade, a student must have acquired six credits.
2. From the tenth grade, a student must have acquired 13 credits, including two credits of English (English I and English II) and one credit of Algebra I, one credit of Geometry, one credit of Biology, and one credit of social studies (World Geography or World History).
3. From the 11th grade, a student must have acquired 19 credits.

Required Courses

These courses are required to fulfill state educational guidelines. A course may or may not have a prerequisite; a prerequisite is a course that must be taken prior to the course under consideration.

Textbooks

Each student is responsible for his/her textbooks issued by their school and is responsible for payment for lost and/or damaged textbooks occurring in the school year. No textbooks are distributed from the campuses for the following: Credit by Exam, correspondence courses, eSchool courses and concurrent enrollment courses.

Programs

Athletic Program

The Plano ISD offers a wide range of University Interscholastic League competitive sports in which the students may participate. (Some activities will require tryouts to select team members.) In order to participate or compete in a UIL sport, the sport must be reflected on the student's class schedule.

Completion of a medical history/physical examination is required prior to tryouts/participation. Additional parent permission forms are required prior to participation.

Students must meet state mandated academic and attendance requirements to be eligible to participate in extracurricular activities.

Boys' Sports

Baseball *
Basketball *
Cross Country
Diving *
Football
Golf *
Soccer *
Swimming *
Tennis *
Track
Wrestling

Girls' Sports

Basketball *
Cross Country
Diving *
Golf *
Soccer *
Softball *
Swimming *
Tennis *
Track
Volleyball *
Wrestling

* These sports normally require tryouts.

Your Responsibility as a Prospective Student Athlete

If you are planning to enroll in college as a freshman and you wish to participate in Division I or Division II athletics, you must be registered and certified by the NCAA Eligibility Center **after completion of the student's junior year**. The Eligibility Center was established as a separate organization by the NCAA member institutions in January 1993 and ensures consistent interpretation of NCAA initial eligibility requirements for all prospective student athletes at all member institutions. Credit by Exam will not count towards NCAA eligibility requirements. See the website site at www.ncaaeligibilitycenter.org for more information.

AVID® Program (Advancement Via Individual Determination)

The AVID® course is designed to prepare students for success in postsecondary education. AVID I, II, III and IV provide support and skill development in areas specifically aligned with success in rigorous courses in the content areas. A recommendation, application and interview are required. Students must be accepted into the AVID® program.

Cheerleading Program

Tryouts for cheerleading are held during the spring semester of the preceding year. All students must meet the criteria set up by the PISD guidelines. Interested students should contact the individual school campus cheerleading sponsor/coach, as tryout packets are available as early as February. Tryouts are conducted during the 3rd nine weeks grading period if possible. For district cheerleader guidelines see <https://www.pisd.edu/Page/6468>

Drill Team Program

Tryouts for drill team are held during the spring semester of the preceding year. All students must meet the criteria set up by the PISD guidelines. Interested students should contact the individual school campus drill team director. Tryout packets for drill team are available as early as January. Tryouts are usually held during the 3rd nine weeks grading period. For district drill team operational and tryout guidelines see <https://www.pisd.edu/Page/6468>

English as a Second Language (ESL)

ESL classes, which focus on intensive development of listening, speaking, reading, and writing skills in English, are offered to English Language learners. Placement into ESL classes will be commensurate to the student's English Language proficiency level. The ESL program shall be an integral part of the regular educational program and students who participate in this program are also eligible to participate in all other courses upon meeting each course requirement. State-adopted English as a second language instructional materials and supplementary materials are used as curriculum tools. This program is aligned with the district's general education literacy program.

Gifted and Talented Program

Gifted and talented services are provided for each student who meets eligibility requirements. The high school gifted student is served through the PACE Humanities I and II, honors, IH, American Studies, American Principles, advanced placement and International Baccalaureate courses. In addition, specific subject honors courses and fine arts electives provide challenge and enrichment for these students. Presentation and research projects are important components of all PACE classes.

Junior ROTC

The mission statement of The United States Army Junior Reserve Officers' Corps (JROTC) is "To Motivate Young People to be Better Citizens". The program is designed to teach high school students character education, student achievement, wellness, leadership, and diversity. The JROTC program provides extracurricular opportunities for local, state and national competition in the following categories: color guard, unarmed drill, armed drill, physical fitness, academic, leadership, and air rifle. Through these teams, the students have the opportunity to earn a varsity letter jacket. **There is NO military service requirement for participating in JROTC.** Enrollment in four years of JROTC may earn the Public Services Endorsement.

Section 504

Section 504 refers to Section 504 of the Rehabilitation Act of 1973. This federal law prohibits discrimination against disabled persons who may participate in, or receive benefits from, programs receiving federal financial assistance. Section 504 ensures that eligible students with a disability receive equal access to services that are provided to students without a disability, and it provides protection from discrimination due to the disability. Each Plano ISD campus has a 504 coordinator who has been designated by the principal as facilitator for that campus.

Special Education Services Program

Special education services are provided for each student who meets eligibility requirements. Consideration of a student's eligibility for special education services is initiated by a referral to the Campus Monitoring and Intervention Team, which may be requested by parents, school personnel or outside agencies. Parental consent is required prior to assessment, and again, prior to placement in special education.

Components of the special education process include:

- Determining whether a student meets special education eligibility through formal assessment, data collection and determination of educational need
- Preparing an Individualized Education Program (IEP) for each student based on needs, if eligibility is determined
- Implementing the IEP in the least restrictive environment
- Annually evaluating the student's progress and developing the IEP to address the student's needs

Special Education services are provided under state and federal guidelines. Special Education offers specially designed instruction and a full continuum of services to meet a variety of student needs. Programs range from fully self-contained learning environments to support in general education classrooms. A student's graduation plan, developed by the ARD/IEP Committee, determines how the student will meet credit and curriculum requirements of the state and district for graduation.

Physical Education Equivalent (Substitutions)

One credit of physical education is required for graduation by the state of Texas; however, a student may earn up to 4 credits of PE toward graduation.

In addition to the regular physical education courses, there are several ways to accumulate this credit:

Athletics – A student who successfully completes athletics receives physical education equivalent credit for each semester of athletics. Eight semesters of athletics or 4 credits may count toward state graduation requirements.

Cheerleading – A student who successfully completes cheerleading both fall and spring semesters will receive 1 credit of substitution toward the physical education state graduation requirement. The next year's credit for cheerleading will be awarded through enrollment in gymnastics. For students interested in participating in a U.I.L. sport simultaneously, please see your school counselor for clarification.

Drill Team – A student who successfully completes drill team both fall and spring semesters will receive 1 credit of substitution toward the physical education state graduation requirement. The next year's credit for drill team will be awarded through enrollment in Dance for PE or Fine Arts credit.

Junior ROTC – A student who successfully completes JROTC may receive a substitution for the state PE requirement (1 credit) through participation in two semesters of the JROTC.

Marching Band – A student who successfully completes marching band during the **FALL** semester may receive a PE substitution of .5 credit of the state physical education requirements, up to 1 credit.

Off-Campus PE – The purpose of the Off-Campus Physical Education Program is to accommodate students who are making a serious effort to develop high-level capabilities and to allow those students to be involved in a program that provides training exceeding that offered in the school district. The student is taking this course for physical education credit and he/she may not be enrolled in athletics while participating in the Off-Campus Physical Education Program. A maximum of 4 credits can be earned towards state high school graduation requirements. A student interested in this program should contact his/her school counselor for the application, guidelines, and enrollment dates concerning off-campus physical education.

Off-campus physical education currently considers the following activities: **archery, art skating, badminton, dance, equestrian, fencing, gymnastics, ice hockey, ice skating, lacrosse, martial arts, golf*, rock climbing, rowing, squash, swimming, tennis, track cycling and table tennis.** There is a fee for participation in the off-campus physical education program. The student must participate in his/her activity, **under professional supervision, a minimum of 10 hours each week for Category 2 (cannot leave campus) or a minimum of 15 hours for Category 1 (can arrive to campus one class period late or leave campus one class period early) at one approved agency.** The student must participate in the sport at least **a minimum of four (4) days during the week (Monday through Friday) plus one (1) additional day** that may fall on either the weekend or during the week for a total of five (5) days per week. *Please contact OCPE program coordinator for information.

Advanced Classes Identified for No-Pass, No-Play Exemption

Texas Education Agency/University Interscholastic League Academic Requirements (No Pass, No Play)

A student who receives, at the end of any six weeks or nine week grading period, a grade below 70 in any academic class (other than an identified advanced class) may not participate in extracurricular activities for at least three school weeks. An ineligible student may practice or rehearse, however. The student regains eligibility when the principal and teachers determine that he or she has: (1) earned a passing grade (70 or above) in all academic classes and (2) completed the three school weeks of ineligibility.

All students are eligible during a school holiday of a full calendar week or more. When the bell rings to dismiss students for the December holidays, all students are eligible until classes resume in January. The same is true for the summer recess and spring break provided those breaks consist of at least a full calendar week.

The 80th Texas Legislative Session passed SB 1517 in May, 2007, which amends Section 33.081 of the Education Code restricting the courses that are now considered waivable. Senate Bill 1517 defines that the exemption **only “applies to an advanced placement or international baccalaureate course, or to an honors or dual credit course in the subject areas of English language arts, mathematics, science, social studies, economics, or a language other than English.”** Please see the newly defined list of waivable courses below.

Middle School Waivable Courses

English Language Arts English Language Arts Grade 7 Honors English Language Arts Grade 8 Honors	Science Science Grade 7 Honors Science Grade 8 Honors
Mathematics Math Grade 6 Honors Math Grade 7 Honors Algebra I Honors	Languages Other than English Spanish III Honors Spanish IV AP
Social Studies PACE Social Studies Grades 6, 7, 8	

High School/Senior High School Waivable Courses

Advanced Placement Courses All	International Baccalaureate Courses Includes all IB courses. Also includes IH courses in English, mathematics, science, social studies, economics, or a language other than English.
English Language Arts English I Honors English II Honors English III Honors English IV Honors	Science Biology Honors Chemistry Honors Physics Honors Scientific Research and Design Honors
Mathematics Algebra I Honors Algebra II Honors Geometry Honors Pre-Calculus Pre-Calculus Honors	Social Studies Sociology Honors World History Honors World Geography Honors
Languages Other Than English Chinese ▪ Chinese III Honors French ▪ French III Honors ▪ French V Honors German ▪ German III Honors Spanish ▪ Spanish III Honors	Gifted and Talented Humanities I English I GT Humanities II World History AP GT American Studies American Principles The Human Experience
	Dual Credit Any dual credit course in English, mathematics, science, social studies, economics, or a language other than English.

Advanced Placement Program®

What is AP®?

The Advanced Placement Program of the College Board® enables students to complete college-level studies at Plano East Senior High, Plano Senior High and Plano West High Schools. A limited number of Advanced Placement® courses may be offered on the high school campuses. The primary goal of the Advanced Placement Program® is to extend the challenges of the secondary school experience to prepare students for a wide variety of post-secondary experience including, but not limited to, attendance at colleges and universities. Students with satisfactory AP® test scores may earn college credit. For more information on the Advanced Placement Program® please visit their website at:

<https://apstudent.collegeboard.org/exploreap/what-it-takes/student-voices>

Benefits of AP®

The benefits of the Advanced Placement Program® extend beyond students receiving college credit, placement, or both for exam performance. AP® encourages critical and creative thought and fine-tunes analytical skills. It stretches students' reasoning ability. Students will experience depth and complexity in subject areas while also acquiring time management and study skills.

Enrolling in AP® Classes

Students entering high school need to plan with their counselors to determine which AP® courses would most benefit their long term academic goals. Most AP® courses are one hour in length, the exceptions being AP Studio Art, AP Biology and AP Chemistry which require two-hour blocks of time. All AP® courses earn advanced placement grade points.

Students pay an AP® Examination fee per test; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. Please note: students taking an AP® course are encouraged but not required to take the exam.

Highly qualified teachers who have received advanced training through AP® workshops, conferences and university coursework teach these courses.

Plano ISD offers the following AP® courses:

2D Art and Design	English Literature and Composition
3D Art and Design	Music Theory
Art History	Macroeconomics
Art Drawing	Microeconomics
Biology	European History
Chemistry	Government – Comparative
Physics 1	Government and Politics – U.S.
Physics 2	United States History
Physics C Mechanics	World History
Physics C Electricity & Magnetism	Human Geography
Environmental Science	Psychology
Computer Science Principles	Spanish Language
Computer Science A	French Language
Calculus AB	German Language
Calculus BC	Spanish Literature
Statistics	Chinese Language and Culture
English Language and Composition	Capstone: Seminar

AP® Exams

The examinations are structured to measure three areas – depth of knowledge, completeness of thought and synthesis of ideas. Approximately 1,200 institutions award credit based on the student's AP® examination scores. Exams are graded on a five-point scale with credit usually given for scores of 3 or higher. College credit is generally awarded upon a student's enrollment, although some institutions award sophomore standing only after a student has completed satisfactory work on campus. The score requirement and number of college credit hours or placement credit awarded varies among universities and colleges. AP® exams are offered in May.

Admission to and Exit from Gifted and Talented Program

- I. Plano Independent School District offers educational opportunities for gifted and talented students in the four core areas. Plano's Academic and Creative Education (PACE) program serves grades 6 – 8 in PACE History course. Students enrolled in grades 9-10 receive services through the Humanities class, with additional services offered through Advanced Placement courses. Students enrolled in grades 11 – 12 receive services through the American Studies and/or American Principles course, with additional services offered through Advanced Placement and International Baccalaureate courses.
- II. Procedure for Admission

All students new to PISD must follow the referral and assessment process to determine the need for gifted services. PACE students who transfer within the district automatically continue program placement.

 - A. The referral form available at school or online using the following link:
<https://www.pisd.edu/giftededucation> is completed prior to the designated deadline. A student, parent, teacher, counselor, administrator or other professional may make referrals.
 - B. Screening data is collected. Data may include the following:
 1. Ability test scores
 2. Achievement test scores
 3. Teacher recommendation
 4. Writing sample
 5. Additional parent information
 6. Grades
 7. Student portfolio
 8. Interview
 - C. Placement committee meets.
 - D. Parent(s) of placed students give written permission for program participation.
- III. Procedure for Exit
 - A. Student progress is review and documented.
 - B. Conference(s) with student, parent(s) and professional are held.
 - C. The PACE Exit Form is completed and signed.
 - D. The campus placement committee meets.

Aiding Students Who Have Learning Difficulties or Who Need Special Education or Section 504 Services

I. Aiding Students Who Have Learning Difficulties or Who Need Special Education or Section 504 Services

- A. For those students who are having difficulty in the regular classroom, all school districts must consider tutorial, compensatory, and other academic or behavior support services that are available to all students, including a process based on Response to Intervention (RtI). The implementation of RtI has the potential to have a positive impact on the ability of districts to meet the needs of all struggling students.
- B. If a student is experiencing learning difficulties, his or her parent may contact the individual(s) listed below to learn about the school's overall general education referral or screening system for support services. This system links students to a variety of support options, including making a referral for a special education evaluation or for a Section 504 evaluation to determine if the student needs specific aids, accommodations, or services. A parent may request an evaluation for special education or Section 504 services at any time.

II. Special Education Referrals:

- A. If a parent makes a written request for an initial evaluation for special education services to the director of special education services or an administrative employee of the school district, the district must respond no later than 15 school days after receiving the request. At that time, the district must give the parent a prior written notice of whether it agrees to or refuses to evaluate the student, along with a copy of the Notice of Procedural Safeguards. If the school district agrees to evaluate the student, it must also give the parent the opportunity to give written consent for the evaluation.
- B. Please note that a request for a special education evaluation may be made verbally and does not need to be in writing. Districts must still comply with all federal prior written notice and procedural safeguard requirements and the requirements for identifying, locating, and evaluating children who are suspected of being a child with a disability and in need of special education. However, a verbal request does not require the district to respond within the 15-school-day timeline.
- C. If the district decides to evaluate the student, it must complete the student's initial evaluation and evaluation report no later than 45 school days from the day it receives a parent's written consent to evaluate the student. However, if the student is absent from school during the evaluation period for three or more school days, the evaluation period will be extended by the number of school days equal to the number of school days that the student is absent.
- D. There is an exception to the 45-school-day timeline. If a district receives a parent's consent for the initial evaluation at least 35 but less than 45 school days before the last instructional day of the school year, it must complete the written report and provide a copy of the report to the parent by June 30 of that year. However, if the student is absent from school for three or more days during the evaluation period, the June 30th due date no longer applies. Instead, the general timeline of 45 school days plus extensions for absences of three or more days will apply.
- E. Upon completing the evaluation, the district must give the parent a copy of the evaluation report at no cost.
- F. Additional information regarding special education is available from the district in a companion document titled Parent's Guide to the Admission, Review, and Dismissal Process.
- G. Contact Person for Special Education Referrals:
 - 1. The designated person to contact regarding options for a student experiencing learning difficulties or regarding a referral for evaluation for special education services is:
 - a. Contact Person: Campus Principal or Child Find Help Line
 - b. Phone Number: 469-752-4299
 - c. Website: https://www.pisd.edu/Directory_of_Schools

III. Section 504 Referrals:

- A. Each school district must have standards and procedures in place for the evaluation and placement of students in the district's Section 504 program. Districts must also implement a system of procedural safeguards that includes notice, an opportunity for a parent or guardian to examine relevant records, an impartial hearing with an opportunity for participation by the parent or guardian and representation by counsel, and a review procedure.
- B. Contact Person for Section 504 Referrals:
 - 1. The designated person to contact regarding options for a student experiencing learning difficulties or regarding a referral for evaluation for Section 504 services is:
 - a. Contact Person: Campus Principal
 - b. Phone Number: https://www.pisd.edu/Directory_of_Schools

IV. Additional Information:

- 1. The following websites provide information and resources for students with disabilities and their families.
 - a. Legal Framework for the Child-Centered Special Education Process
 - b. Partners Resource Network
 - c. Special Education Information Center
 - d. Texas Project First

Plano ISD eSchool

Plano ISD eSchool provides excellence in online learning to high school students here in Plano and throughout the world. Since 2001, we have served over 36,000 students with a completion rate of 88% and an overall success rate of 96%. Our course offerings afford students the flexibility and connectivity to meet their individual needs. eSchool students have access to a rigorous curriculum that is correlated to local, state, and national standards. Our online program allows students to enhance their high school experience, to work around scheduling difficulties, and/or to recapture credits for graduation. Our dedicated teachers are specifically trained to work with students in an online setting and are committed to providing a personalized and enriching learning experience for each student. Our goal is for students to master course content while acquiring the 21st Century skills needed to compete in a global society.

eSchool Course Offerings

Note: All of our eSchool courses are semester courses designed to be completed in 6-18 weeks. Please refer to the eSchool website for updated course offerings and tuition rates.

Algebra I; Semester 1/2*	PE Foundations
Algebra II; Semester 1/2	PE Foundations 2
Business Information Management; Semester 1/2	Personal Financial Literacy
Chemistry; Semester 1/2	Physics; Semester 1/2
Economics	Pre-Calculus; Semester 1/2
English I; Semester 1/2*	Professional Communications
English II; Semester 1/2*	Psychology
English III; Semester 1/2	Spanish I; Semester 1/2*
English IV; Semester 1/2	Spanish II; Semester 1/2*
French I, Semester 1/2*	US Government
Geometry; Semester 1/2	US History; Semester 1/2
Health	World Geography; Semester 1/2
Human Resources Management	World History; Semester 1/2
Money Matters	

**course cannot be taken for initial credit*

Important Points to Consider

- For more information, including registration procedures and eSchool Guidelines, please contact the eSchool office at 469.752.8894 or eSchool@pisd.edu. You can also visit our website at <https://www.pisd.edu/eschool>.
- Students need to check with their school counselor to ensure appropriate course selection.
- Students taking eSchool courses are required to take the STAAR EOC assessment associated with the course.
- Grades earned in eSchool courses will not be used in computing class rank (Plano ISD Board Policy EIC Local).
- Some courses may require the purchase of additional materials, such as a textbook or lab materials, in addition to the tuition fee.
- Students must have an active, functional e-mail account. Refer to the eSchool website for specific technical requirements.

Plano ISD Academy Programs

 PLANO ISD HEALTH SCIENCES ACADEMY	 THE IB WORLD SCHOOL AT PLANO EAST SENIOR HIGH	 PLANO ISD ACADEMY HIGH SCHOOL
The Plano ISD Health Sciences Academy includes a unique partnership with Collin College and is housed at Williams High School for 9th and 10th grade and Plano East Senior High School for 11th and 12th grade. Students in the Health Sciences Academy have the opportunity to earn college credits as well as pursue workforce certifications that may include Certified Nurse's Aide, Patient Care Technician, EKG Technician, Phlebotomy Technician, and Emergency Medical Technician. Plano ISD Career & Technical Education (CTE) offers additional courses in Theory/Clinical, Pharmacology, World Health Research, and Biomedical Science. Students in this program work with state-of-the-art equipment and are connected to our local medical community through guest speakers, field trips, and clinical placements in skill-based classes. Health Sciences Academy students are prepared to enter the health care field upon graduation and may also have college credit hours to enable them to advance in a college or university.  www.pisd.edu/hsa	The IB World School at Plano East is a challenging, pre-university course of study that encourages students to be knowledgeable and inquiring-but also caring and compassionate. Through the International Baccalaureate program, students are encouraged to develop intercultural understanding, open-mindedness, and attitudes necessary to enable students to respect and evaluate multiple points of view. This demanding program requires concurrent study of a comprehensive range of academic areas which effectively prepares students for university entrance in the United States or abroad. The locally established International Honor program prepares 9th and 10th grade students for the expectations of the 11th and 12th grade IB Diploma Program. In the 11th and 12th grade, students enroll in courses in six academic areas, participate in creative/active/service learning, write an extended essay in a subject of their choosing, and experience the Theory of Learning course in which they examine the "ways of knowing." The IB Diploma Program aspires to develop students who have the ability to navigate, engage, and meaningfully contribute to local, national, and international communities while also providing students the opportunity to earn college credit for their studies.  www.pisd.edu/ib	Located at 1701 Alma Road, Plano ISD Academy High School is the home of the Titans. AHS is an innovative, project based learning (PBL) community for 9th-12th grade students. Learners at Academy High School work in teams and solve challenges based on STEAM-science, technology, engineering, arts, and mathematics. Academically challenging courses are integrated in authentic, ever-changing ways, based on each new phase of a project. These demanding PBL experiences are anchored in real-world issues that connect learners to professionals in our community and beyond. Teams of learners generate solutions by making prototypes in the fabrication lab, researching and creating presentations on digital devices, and refining project work in the maker's space. These creative solutions are presented to outside audiences who provide feedback. Additionally, 11th and 12th grade learners have the opportunity to earn dual credit, complete an internship, and a senior capstone project. Academy High School strives to inspire creativity and empower students to thrive and compete in a rapidly changing world.  www.pisd.edu/academy

DESCRIPTIONS OF
HIGH SCHOOL /
SENIOR HIGH SCHOOL
COURSES OFFERED
TO PLANO ISD
STUDENTS

Teamwork for Excellence



P L A N O
Independent School District

TENTATIVE FOUR-YEAR PLAN FOR STUDENTS ENTERING 9TH GRADE IN 2019 - 2020

Name _____ ID NO. _____ Grade _____ Date _____

9th	Credits	10th	Credits	11th	Credits	12th	Credits
1.	1.0	1.	1.0	1.	1.0	1.	1.0
2.	1.0	2.	1.0	2.	1.0	2.	1.0
3.	1.0	3.	1.0	3.	1.0	3.	1.0
4.	1.0	4.	1.0	4.	1.0	4.	1.0
5.	1.0	5.	1.0	5.	1.0	5.	1.0
6.	1.0	6.	1.0	6.	1.0	6.	1.0
7.	1.0	7.	1.0	7.	1.0	7.	1.0
Summer School		Summer School		Summer School		Summer School	
Credits	7.0	Credits	7.0	Credits	7.0	Credits	7.0

Required Subject Areas	Foundation/Endorsement Plan Students are eligible to apply for general admission to state colleges and universities	English Language Arts 4 th year English:	Math 3 rd and 4 th year Math:	Science 2 nd year Science:	Science 3 rd and 4 th year Science
English	4 credits English 1, 2, 3, 4 th year choice (EOCs: English 1 and English 2)	- English 4 - AP English 4 Literature and Composition - IB English 4 HL - A fourth credit may be earned from one full credit or a combination of two half credits from two different courses to satisfy the 4th year English credit. Please see your counselor for a list of specific courses that will satisfy this credit option.	- Math Models - Statistics - Algebra 2 - Accounting II - Digital Electronics Algebra 2 is a prerequisite for the following courses: - Precalculus - Advanced Quantitative Reasoning - AP Statistics - AP Calculus AB - AP Calculus BC - AP Computer Science A - Multivariable Calculus - Math Independent Study - IB Math Studies SL - IB Calculus SL/ HL	- IPC (Integrated Physics and Chemistry) - Chemistry	- Chemistry - Physics - Earth and Space Science - Environmental Systems - AP or IB Biology SL/HL - AP or IB Chemistry SL/HL - AP Physics 1 - AP Physics 2 - AP Physics C Mechanics - AP Physics C Electricity & Magnetism - IB Physics SL/HL - AP Environmental Science - IB Environmental Systems SL - Anatomy and Physiology - Food Science - Forensic Science - Honors Scientific Research and Design - Engineering Design and Problem Solving - Engineering Science
Math	4 credits Algebra 1, Geometry, 3 rd year choice, 4 th year choice (EOC: Algebra 1)				
Science	4 credits: Biology, 2 nd year choice, 3 rd year choice, 4 th year choice (EOC Biology)				
Social Studies	4 credits World Geography, World History, US History, US Government/Economics (EOC: US History)				
Fine Arts	1.0 credit Art, Music, Theater, Dance, Floral Design				
Foreign Language	2 credits				
Health	.5 or 1.0 credit of Health Science Theory				
Physical Education	1.0 credit				
Communication	.5 credit – Professional Communications				
Electives/Endorsement Choices	5 credits				
Total	26 Credits Note: Distinguished Level of Achievement is the Foundation/Endorsement Plan including Algebra 2. Students are eligible for top 10% automatic admission to state universities.	All prerequisites must be met before taking a course.	All prerequisites must be met before taking a course.	All prerequisites must be met before taking a course.	All prerequisites must be met before taking a course.

Signatures: Student _____ Parent _____ Counselor _____
 Endorsement _____

ENDORSEMENTS

To earn an endorsement a student must successfully complete the Plano ISD curriculum requirements for the Foundation High School Program and must earn a fourth credit in mathematics, an additional credit in science, and two additional elective credits. A student may earn a **Distinguished Level of Achievement** by successfully completing the Plano ISD curriculum requirements for the Foundation High School Program and the curriculum requirements for at least one endorsement (including four credits in science and four credits in mathematics to include Algebra II). For more information on endorsement requirements, click on the icons below or contact your counselor.

STEM



Career and Technical Education (CTE)
Computer Science
Math
Science
Combination

Business & Industry



English
Technology Applications
Career and Technical Education (CTE)
Combination

Multidisciplinary



Workforce
Foundation Subjects
Advanced Placement or International Baccalaureate

Arts & Humanities



Social Studies
Language Other Than English (LOTE)
Fine Arts
English

Public Service



Career and Technical Education (CTE)
Junior Reserve Officer Training Corps (JROTC)

ATHLETICS

The Plano Independent School District offers a wide range of University Interscholastic League competitive sports from which the student may choose. One credit of physical education credit is required for graduation by the state of Texas; however, a student may earn up to 4 PE credits toward graduation. The following is a list of courses from which both boys and girls may select, depending upon their particular interests and abilities.

SEE YOUR SCHOOL COUNSELOR FOR CLARIFICATION REGARDING CREDITS.

Plano ISD Course No.	Subject	
304101, 304102	Baseball (Boys)	May be offered after school at Grade 9
304201, 304202	Basketball (Boys)	
303001, 303002	Basketball (Girls)	
304301, 304302	Cross Country (Boys)	Course/practice held on senior high campuses only
303101, 303102	Cross Country (Girls)	Course/practice held on senior high campuses only
305101, 305102	Diving (Co Ed)*	Course/practice held on senior high campuses only
304401, 304402	Football (Boys)	
305201, 305202	Golf (Co Ed)*	Practice held at local designated golf courses
304501, 304502	Soccer (Boys)	Course/practice held on senior high campuses only
303201, 303202	Soccer (Girls)	Course/practice held on senior high campuses only
303401, 303402	Softball (Girls)	Course/practice held on senior high campuses only
305301, 305302	Swimming (Co Ed)*	Course/practice held on senior high campuses only
305401, 305402	Tennis (Co Ed)	
304601, 304602	Track (Boys)	Course/practice held on senior high campuses only
303501, 303502	Track (Girls)	Course/practice held on senior high campuses only
303601, 303602	Volleyball (Girls)	
304701, 304702	Wrestling (Boys)	
304701, 304702	Wrestling (Girls)	

*** Will require personal transportation.**

Students can earn up to 4 credits of physical education over their high school career in any specific sport or any combination of sports taken during the school day. In order to participate or compete in a UIL sport, the sport must be reflected on the student's class schedule.

CHEERLEADING / DRILL TEAM

Cheerleading and drill team tryouts are held in the spring at the individual school campuses. The Fundamentals of Drill Team course is a non-competitive course open to all who desire to enroll. Students interested in this program should contact the program sponsor for specific details and guidelines.

For district guidelines regarding Cheerleading and Drill Team, see the following PISD website:

<https://www.pisd.edu/Page/6468>

SEE YOUR SCHOOL COUNSELOR FOR CLARIFICATION REGARDING CREDITS.

Plano ISD Course No.	Subject	Grade	Credits
306101	Cheerleading	9 – 12	1
307151	Drill Team Prep	9 – 10	1
307101	Drill Team	9 – 12	1

306101 Grade Placement: 9 – 12 Prerequisite: Try-out procedure Credit: 1	Cheerleading This course is designed for students selected to perform on Freshman, Sophomore, Junior Varsity, or Varsity Cheerleading Squads. This class meets during the school day and consists of conditioning activities, skill development in several cheerleading techniques, and specific preparation for game and competition performances. Students gain membership through a try-out procedure held during the spring of the previous school year. Please see your counselor for credit information.
307151 Grade Placement: 9 – 12 Prerequisite: None Credit: 1 <i>What's next?</i> Drill Team	Drill Team Prep Drill Team Prep is designed to help students prepare mentally and physically to try out for JV and/or Varsity drill teams. The class covers proper stretching, splits, kick technique, jazz technique, pom, as well as several different genres of dance. It also helps to develop coordination, body form, flexibility, rhythm and balance. This is non-competitive course and is open to all who desire to enroll. Specific attire, including shoes, will be required. Successful completion of both semesters of this course will satisfy the PE credit required for graduation.
307101 307102 307103 307104 Grade Placement: 9 – 12 Prerequisite: Try-out procedure Credit: 1 <i>What's next?</i> Drill Team	Drill Team (9-12) Drill Team is a precision performing group that provides students an opportunity to perform at a variety of venues. Performances may include athletic events, competitions, community events, and stage shows. Drill team membership requires weekly after hours practice and rehearsals. Specific attire, including shoes, will be required. Students gain membership through a try-out procedure held during the spring of the previous school year. Successful completion of both semesters of this course will satisfy the PE credit <u>or</u> Fine Arts credit required for graduation.

COMPUTER SCIENCE

To find out more about the Computer Science Texas Essential Knowledge and Skills (TEKS) click [here](#).

Plano ISD Course No.	Subject	Grade	Credits
401001	Computer Science I	9 – 10	1
402001	Computer Science II	10 – 12	1
403701	AP Computer Science Principles	9 – 10	1
401001B & 402001B	Computer Science I & II	11 – 12	2
401051	AP Computer Science A	11 – 12	2
403501	Computer Science III	11 – 12	1
403531	Computer Science III Honors	11 – 12	1

401001 Computer Science I

Grade Placement: 9 – 10

Prerequisite: Algebra I

Credit: 1 (elective credit)

What's next? Computer Science II or AP
Computer Science A

Computer Science I is an introduction to the automated processing of information, including computer programming. Students will apply their mathematical and logical reasoning to solve problems in the field of computer science. Through data analysis, students will identify task requirements, plan search strategies, and use computer science concepts to access, analyze, and evaluate information needed to solve problems. Students will also explore various aspects of digital citizenship, including those affecting both users and programmers. The learning in this course equips students to read and write small programs using Java programming language in response to a given problem or scenario. Successful completion of this course will prepare students for a cohesive course sequence in computer science. No previous coding / programming experience is required.

402001 Computer Science II

Grade Placement: 10 – 12

Prerequisite: Computer Science I, Algebra I

Credit: 1 (elective credit)

What's next? Computer Science III Honors or AP
Computer Science A

This course continues to build student learning from Computer Science I. The learning in this course equips students to read and write complex programs using Java programming language. Students apply algebraic and logical reasoning acquired in mathematics to develop robust programming solutions. Upon completion of this course, the student will have created software such as an interactive program and/or an animated graphics display.

403701 AP Computer Science Principles

Grade Placement: 9 – 10

Prerequisite: None

Credit: 1 (elective credit)

What's next? Computer Science I or AP Computer Science A

AP Computer Science Principles is an introduction to the complete field of computer science. Studies include exploring the technology's impact on society, analyzing and visualizing trends in data, and developing computational artifacts related to their interests. Students will broaden their understanding of computer science for use in a diversity of interests, majors and careers. Programming is only one component of this course and taught at an introductory level using Java Script. No previous coding / programming experience is required. This course prepares students to take the Advanced Placement (AP) Computer Science Principles exam to possibly earn college credit.

401001B Computer Science I & II 402001B

Grade Placement: 11 – 12

Prerequisite: Algebra II or concurrent enrollment in Algebra II

Credits: 2 (elective credit)

What's next? Computer Science III or Computer Science III Honors

This one-year course blends the curriculum of Computer Science I and II into a one year, one class experience. The intent of this condensed course is to give 11th/12th grade students with no prior computer science coursework an opportunity to complete two or more CS courses before graduation. Computer Science I (first semester) is an introduction to the automated processing of information, including computer programming. Students will apply their mathematical and logical reasoning to solve problems in the field of computer science. The learning in this course equips students to read and write small programs using Java programming language in response to a given problem or scenario. Computer Science II (second semester) extends on this learning to write complex programs and develop robust programming solutions. Upon completion of this course, the student will have created software such as an interactive program and/or an animated graphics display. **Successful completion of 1st semester is required to remain in class for 2nd semester.**

401051 AP Computer Science A

Grade Placement: 11 - 12

Prerequisite: Algebra II or concurrent enrollment in Algebra II

Credits: 2 (Note: 1 of 2 credits count toward GPA)

What's next? Computer Science III Honors

This course serves as an introduction to computers and the study of managing and processing information. Students apply algebraic and logical reasoning acquired in mathematics to develop robust programming solutions. The emphasis is on solving real world problems by means of computer programming (software engineering). Students will thoroughly learn the Java programming language and apply those skills in exploring how computers work. Some topics covered include object-oriented techniques, file management, data structures, classes, objects, graphics, debugging, hardware components, and social implications. This course prepares students to take the Advanced Placement Computer Science A exam to possibly earn college credit. **Successful completion of both semesters of this course will satisfy a mathematics credit in the student's graduation plan if a 4th math credit is needed.**

403501 Computer Science III

Grade Placement: 12

Prerequisite: Computer Science II or AP
Computer Science A

Credit: 1 (elective credit)

This course has four main goals: develop advanced software engineering skills in the Java programming language; teach advanced data structures such as linked lists, trees, classes, and data files; expose students to the development and analysis of classic computer algorithms such as sorting, searching, recursion, and numerical analysis; recognize the ethical and social implication of computer use. Students will develop major software projects over topics such as databases, sorting, business applications, and graphics.

**403531 Computer Science III
Honors**

Grade Placement: 12

Prerequisite: Computer Science II or AP
Computer Science A

Credit: 1 (elective credit)

This course has four main goals: develop advanced software engineering skills in the Java programming language; teach advanced data structures such as linked lists, trees, classes, and data files; expose students to the development and analysis of classic computer algorithms such as sorting, searching, recursion, and numerical analysis; recognize ethical and social implications of computer use. Students will develop major software projects over topics such as databases, sorting, business applications, and graphics.

ENGLISH LANGUAGE ARTS

ESOL (ENGLISH FOR SPEAKERS OF OTHER LANGUAGES)

To find out more about the English Language Arts Texas Essential Knowledge and Skills (TEKS) click [here](#).

Plano ISD Course No.	Subject	Grade	Credits
101001	English I	9	1
101171	English I (eSchool) (see pg. 20 for information)	9	1
101031	English I Honors	9	1
101041	Humanities I English I GT (English I Honors)	9	1
252041	Humanities II AP World History GT (AP World History)	10	1
051001	English I SOL (Speakers of Other Languages)	9 – 10	1
052001	English II SOL (Speakers of Other Languages)	10	1
10127B	Research and Technical Writing	9 – 10	.5
102001	English II	10	1
102171	English II (eSchool) (see pg. 20 for information)	10	1
102031	English II Honors	10	1
103001	English III	11	1
103171	English III (eSchool) (see pg. 20 for information)	11	1
103031	English III Honors	11	1
103051	AP English III Language and Composition	11	1
S14251	American Studies (AP English III Language and Composition and AP U.S. History)	11	2
103231	English Language Dual Credit (see pg. 11 for information)	11 – 12	1
104001	English IV	12	1
104171	English IV (eSchool) (see pg. 20 for information)	12	1
104031	English IV Honors	12	1
104051	AP English IV Literature and Composition	12	1
104331	English Literature Dual Credit (see pg. 11 for information)	12	1
10310B	Creative Writing	9 – 12	.5

Plano ISD Course No.	Subject	Grade	Credits
10350B	Literary Genres	9 – 12	.5
10330B	World of Ideas	11 – 12	.5
10370B	Bible Literacy	11 – 12	.5

101001 English I

Grade Placement: 9

Prerequisite: None

Credit: 1

What's next? English II or English II Honors

In this course, students learn to apply their understandings of reading and writing processes to a variety of genres including literary (poetry, drama, imaginative stories) and informational (expository and persuasive). Students will study both classic and contemporary texts with an emphasis on theme development, epic characteristics, creative non-fiction, and the relationships between classic texts and contemporary ideas. The use of writing and reading notebooks, the development of research questions and source gathering, and frequent opportunities for teamwork and collaboration are also key components of this course.

101031 English I Honors

Grade Placement: 9

Prerequisite: Teacher recommendation encouraged

Credit: 1

What's next? English II or English II Honors

This course is designed for students who wish to have a more challenging and rigorous English I experience. In addition to the emphasis areas listed above, English I Honors students will be afforded opportunities to engage in lengthier and more challenging reading and writing experience with more sophisticated levels of instruction and more advanced skill work.

101041 Humanities I English I GT (English I Honors)

Grade Placement: 9

Prerequisite: Identification / Selection as Gifted

Credit: 1

252041 Humanities II AP World History GT (AP World History)

Grade Placement: 10

Prerequisite: Identification / Selection as Gifted

Credit: 1

What's next? American Studies; Advanced Placement and International Baccalaureate courses

Humanities I English I GT and Humanities II AP World History GT are courses that provide gifted students with opportunities not available through regular or advanced classes. The course integrates the Humanities into a combined English I Honors and AP World History two-year interdisciplinary course. The curriculum includes a historical study of the commonalities of the fine arts including literature, the visual arts, architecture, and music. Humanities I focuses on the period up to the Renaissance; Humanities II examines the period from the Renaissance to contemporary times. Students will learn and practice the craft of writing through various products. Literature from a variety of world traditions will also be a key focus. Ninth and tenth grade students will sit in the same class while earning credit in separate courses; ninth graders will earn English I Honors credit while tenth graders earn AP World History credit. At the conclusion of Humanities II, students may choose to sit for the AP World History exam in the hopes of earning college credit. **Humanities does NOT fulfill the fine arts requirement for graduation and is not recognized as a fine arts course by TEA.**

051001 English I for Speakers of Other Languages Grade Placement: 9 - 10 Prerequisite: Placement in ESOL program with beginning or intermediate English proficiency Credit: 1 <i>What's next?</i> English II, English II for Speakers of Other Languages, or English II Honors	English I SOL is a course designed to provide instruction in the English I TEKS for beginner and intermediate level limited English proficient (LEP) students enrolled in ESL . It also works to build English language proficiency. <u>This course does meet the graduation requirement for English I</u> , so students who take this course may not later take regular English I for credit . It should be noted that some colleges and universities might not honor this course when considering a student's application for admission. For college and university admission criteria please see your school counselor.
052001 English II for Speakers of Other Languages Grade Placement: 10 Prerequisite: Credit for English I or English I SOL and placement in ESOL program with beginning or intermediate English proficiency Credit: 1 <i>What's next?</i> English III or English III Honors	English II SOL is a course designed to provide instruction in the English II TEKS for beginner and intermediate level limited English proficient (LEP) students enrolled in ESL . It also works to build English language proficiency. <u>This course does meet the graduation requirement for English II</u> , so students who take this course may not later take regular English II for credit . It should be noted that some colleges and universities might not honor this course when considering a student's application for admission. For college and university admission criteria please see your school counselor.
10127B Research and Technical Writing Grade Placement: 9 - 10 Prerequisite: None Credit: .5	This one-semester course focuses on how a student learns best. Strong attention will be focused on text structures, note taking, study skills, test-taking skills, and research skills. The curriculum emphasizes using both traditional and on-line resources for research and technical writing. Students will be prepared for business and university research tasks. This course may not be offered on all campuses.
102001 English II Grade Placement: 10 Prerequisite: English (1 credit) Credit: 1 <i>What's next?</i> English III or English III Honors	In this course, students learn to apply their understandings of reading and writing processes to a variety of genres including literary (poetry, drama, imaginative stories) and informational (expository and persuasive). Students will study both classic and contemporary texts with an emphasis on author's purpose and motivations, archetypal patterns, and critical lenses for text studies. The use of writing and reading notebooks, the synthesis and presentation of researched ideas, and frequent opportunities for teamwork and collaboration are also key components of this course.
102031 English II Honors Grade Placement: 10 Prerequisite: English (1 credit) Credit: 1 <i>What's next?</i> English III, English III Honors, or AP English III	This course is designed for students who wish to have a more challenging and rigorous English II experience. In addition to the emphasis areas listed above, English II Honors students will be afforded opportunities to engage in lengthier and more challenging reading and writing experience with more sophisticated levels of instruction and more advanced skill work.
103001 English III Grade Placement: 11 Prerequisite: English (2 credits) Credit: 1 <i>What's next?</i> English IV or English IV Honors	In this course, students engage in a variety of reading and writing experiences as they analyze the ways in which the traditional and contemporary texts from 20 th and 21 st century America represent a view or make a comment on the human condition and spirit. Key reading selections come from various genres including plays, novels, poems, and speeches. Students will write multi-page essays (expository and persuasive) and original stories and poems in a writing workshop environment. Research study includes instruction in creating a research plan, synthesizing information, and organizing ideas.

103031 English III Honors Grade Placement: 11 Prerequisite: English (2 credits) Credit: 1 <i>What's next?</i> English IV or English IV Honors or AP English IV	This course is designed for students who wish to have a more challenging and rigorous English III experience. In addition to the emphasis areas listed above, English III Honors students will be afforded opportunities to engage in lengthier and more challenging reading and writing experience with more sophisticated levels of instruction and more advanced skill work.
103051 AP English III Language and Composition Grade Placement: 11 Prerequisite: English (2 credits) Credit: 1 <i>What's next?</i> English IV or English IV Honors or AP English IV	This course is designed for students who wish to have a more challenging and rigorous English III experience. This course instructs students in the reading of complex text and the writing of rich and complex prose. This course will emphasize the writing process by having students write essays that proceed through several stages or drafts. Students will become acquainted with a wide variety of prose styles from many disciplines and historical periods, and will gain understanding of the connections between writing and interpretive skill in reading. The use of research materials and the ability to synthesize a variety of sources are integral parts of this course. This course prepares students to take the AP Language and Composition exam to possibly earn college credit.
S14251 American Studies (AP English III Language and Composition and AP U.S. History) Grade Placement: 11 Prerequisite: G/T Identification or AP World History recommended Credit: 2 <i>What's next?</i> The Human Experience: Culture, Media and Perception, AP English IV Literature and Composition	Designed for the gifted and/or accelerated learner, American Studies integrates the Humanities into a combined AP US History and AP English III Language and Composition course to create a daily two hour cultural experience which demands students to simultaneously explore the connections between literature, history and the Humanities. Students will explore the history of the United States with an emphasis on both collaborative and independent work that emphasizes the study of rhetorical styles and the structures of important historical documents and readings. This course considers cultural accomplishments as manifested in art, architecture, literature, music, theater and philosophy. American literature of all genres is incorporated into the curriculum to enhance the depiction of various historical time periods. At the conclusion of the course, students may choose to take both the AP US History and the AP English Language and Composition exams to possibly earn college credit.
104001 English IV Grade Placement: 12 Prerequisite: English (3 credits) Credit: 1	In this course, students will read and write on a daily basis. Text studies focus on the comparing and contrasting of universal themes in contemporary and traditional works from a variety of cultures and countries, including traditional British works. Students will analyze the effects of literary devices in literary non-fiction, expository, and persuasive texts, and will conduct an advanced study of media literacy, including the development of a visual media. The course emphasizes self-selected texts and collaborative discussions focused on student-directed comprehension, interpretation, and analysis work. Students will develop multi-draft and multi-page essays, including an argument essay, interpretive response, and philosophy essay.

104031 English IV Honors	This course is designed for students who wish to have a more challenging and rigorous English IV experience. In addition to the emphasis areas listed above, English IV Honors students will be afforded opportunities to engage in lengthier and more challenging reading and writing experience with more sophisticated levels of instruction and more advanced skill work.
Grade Placement: 12 Prerequisite: English (3 credits) Credit: 1	
104051 AP English IV Literature and Composition	This course is designed to engage students in the careful reading and critical analysis of imaginative literature. Students will deepen their understandings of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students will consider a work's structure, style, and themes, as well as such smaller-scale elements as they use of figurative language, imagery, symbolism, and tone. The course should include intensive study of representative works from various genres and periods. Writing experiences in this course may involve writing response and reaction papers along with annotation, free writing, and keeping some form of a reading journal. Writing assignments will focus on the critical analysis of literature and will include expository, analytical, and argumentative essays. This course prepares students to take the AP Literature and Composition exam to possibly earn college credit.
Grade Placement: 12 Prerequisite: English (3 credits) Credit: 1	
10310B Creative Writing	This course is a rigorous composition course where students can hone their writing skills in a variety of forms and genres in a writing workshop environment. The course emphasizes the use of the writing process and the effective application of the conventions of language along with self- and peer-evaluation and goal-setting. Students will create and publish a class or campus anthology of works.
Grade Placement: 9 – 12 Prerequisite: None Credit: .5	
10350B Literary Genres	Students in this course analyze the fictional and poetic elements of literary texts and read in order to better understand and appreciate the writer's craft. This course includes a study of vocabulary (with word origins), an analysis of the contribution of fictional and poetic elements to meaning, and the critical evaluation of a variety of genres, including contemporary fiction, poetry, drama, and literary non-fiction.
Grade Placement: 9 – 12 Prerequisite: None Credit: .5	
10330B World of Ideas	This course is a combination philosophy and humanities class that provides students opportunities to discuss, perform, listen, view, and create. Topics for study may include mythology, enlightenment, human nature, contemporary media, the human condition, morality, ethics, aesthetics, beauty, censorship, history, architecture, and music.
Grade Placement: 11 – 12 Prerequisite: None Credit: .5	
10370B Bible Literacy	This course is on the Hebrew Scriptures (Old Testament) and the New Testament which teaches knowledge of Biblical content, characters, poetry, and narratives that impact understanding of contemporary society and culture, including literature, art, music, and public policy. The course follows federal and state laws and guidelines in maintaining religious neutrality and accommodating the diverse religious views and perspectives of students.
Grade Placement: 11 – 12 Prerequisite: None Credit: .5	

FINE ARTS

Fine Arts Education includes the following areas: Visual Art Education, Music Education, and Theater Arts and Dance Education. Students must take a full-year of the same course to meet the one credit of Fine Arts high school graduation requirement. To find out more about the Fine Arts Texas Essential Knowledge and Skills (TEKS) click [here](#).

Visual Arts Education

Plano ISD Course No.	SUBJECT	Grade	Credits
451001	Art I: 2D Design & Drawing	9 – 12	1
451031	Art I: 2D Design & Drawing Honors	9 – 12	1
452081	Art I: 3D Design & Sculpture	9 – 12	1
456131	Art I: 3D Design & Sculpture Honors	9 – 12	1
451501	Art and Media Communications I	9 – 12	1
452501	Art and Media Communications II	10 – 12	1
452001	Art II: 2D Design & Drawing	10 – 12	1
452031	Art II: 2D Design & Drawing Honors	10 – 12	1
456201	Art II: 3D Design & Sculpture	10 – 12	1
452061	Art II: 3D Design & Sculpture Honors	10 – 12	1
453001	Art III	11 – 12	1
456351	AP 2D Art and Design (2 hour block)	11 – 12	2
456371	AP 3D Art and Design (2 hour block)	11 – 12	2
454051	AP Drawing (2 hour block)	11 – 12	2
454071	AP Art History	11 – 12	1

451001 Art I: 2D Design & Drawing

Grade Placement: 9 – 12

Prerequisite: None

Credit: 1

What's next? Art II: 2D, Art II: 2D Honors, or Art II: 3D Honors

Art I: 2D Design & Drawing introduces students to the elements and principals of art through a two-dimensional lens while learning a variety of media, concepts and techniques. This will include elements and principles of design, sequential techniques with drawing, painting, printmaking, low-relief sculpture, ceramics and digital media. Students practice skills, explore historical and cultural relevance, gain an understanding of creative expression and learn to respond and evaluate artwork through close observation using critical thinking. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10) **This is a two-semester course in which students must take both semesters, in sequence, to meet the one year fine arts requirement.**

451031 Art I: 2D Design & Drawing Honors

Grade Placement: 9 – 12

Prerequisite: None

Credit: 1

What's next? Art II: 2D, Art II: 2D Honors, or Art II: 3D Honors

Art I: 2D Honors allows the student the opportunity to learn how to work with a large variety of materials. Honors Art I provides learning opportunities for students beyond those available in the regular Art I class by extending the state essential knowledge and skills through drawing, color study, painting, printmaking, technology, sculpture, and ceramics. The curriculum aligns with guidelines from the College Board and students learn what will be expected of them if they choose to participate in the AP Portfolio courses. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10) **This is a two-semester course in which students must take both semesters, in sequence, to meet the one year fine arts requirement.**

452081 Art I: 3D Design & Sculpture

Grade Placement: 9 – 12

Prerequisite: None

Credit: 1

What's next? Art II: 2D, Art II: 2D Honors, or Art II: 3D Honors

Art I: 3D Design & Sculpture introduces students to the elements and principals of art through a three-dimensional lens learning additive and subtractive sculpture, ceramics, and digital work. Students will utilize drawing and painting techniques through the creation of three-dimensional objects. As an introductory course students practice skills, explore historical and cultural relevance, gain an understanding of creative expression and learn to respond and evaluate artwork through close observation using critical thinking. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10) **This is a two-semester course in which students must take both semesters, in sequence, to meet the one year fine arts requirement.**

456131 Art I: 3D Design & Sculpture Honors

Grade Placement: 9 – 12

Prerequisite: None

Credit: 1

What's next? Art II: 2D, Art II: 2D Honors, or Art II: 3D Honors

Art I: 3D Design & Sculpture Honors allows students the opportunity to learn how to work with a large variety of materials. This course provides learning opportunities for students beyond those available in the on-level Art I class by extending the state essential knowledge and skills through a three-dimensional lens learning additive and subtractive sculpture, ceramics, and digital work. Students will utilize drawing, painting, sculpture and building techniques through the creation of three-dimensional objects. As an introductory course students practice skills, explore historical and cultural relevance, gain an understanding of creative expression and learn to respond and evaluate artwork through close observation using critical thinking. The curriculum aligns with guidelines from the College Board and students learn what will be expected of them if they choose to participate in the AP Portfolio courses. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10) **This is a two-semester course in which students must take both semesters, in sequence, to meet the one year fine arts requirement.**

451501 Art and Media Communications I

Grade Placement: 9 – 12

Prerequisite: None

Credit: 1

What's next? Art and Media Communications II or any Art I and/or Art II course

Art and Media Communications combines rigorous and relevant experiential study of modern, post-modern, and contemporary visual art and design with student learning in media literacy and technology applications. Creation and analysis of student artworks will be balanced with explorations into contemporary practices across the visual and commercial arts fields. Students will learn how to bridge traditional hand skills with current technology applications to create new media such as animations, digital images, multimedia presentation, digital video, websites, and interactive or site-based installations and performances. Furthermore, student work will culminate in a capstone project that investigates an issue relevant to the student and uses art, design, and visual communications to address a problem within the community or effect change. This project will afford students an opportunity to learn and practice creative research skills, develop a narrative, engage an audience, and connect an online community to their project. **This is a two-semester course in which students must take both semesters, in sequence, to meet the one year fine arts requirement.**

452501 Art and Media Communications II

Grade Placement: 10 – 12

Prerequisite: Art and Media Communications I

Credit: 1

What's next? Art III, AP 2D Art and Design, AP 3D Art and Design, AP Drawing, or AP Art History

Art and Media Communications II builds upon the foundational skills taught in the Art and Media Communications I survey course and provides opportunities for students to apply knowledge of contemporary visual art and design practices with greater depth and complexity. Hands-on, experiential learning in visual art is interwoven with technology applications, media literacy, and the 21st century skills as students explore participatory media and the practice of trans media storytelling. Students learn how new media such as digital imagery, multimedia presentations, web videos, online and social media, virtual worlds, game designs, and animations intersect with contemporary art, specifically sculpture and installation art. Students create a large-scale, collaborative installation artwork and then contextualize and promote it through media extensions that produce immersive stories aimed at engaging audiences. By creating trans media stories about their installation, students expand both personal and collective narratives, deepen creative research skills, gain insight into messaging platforms, and build communities of interest. Students document their work in a professional-level digital portfolio that can be used in applications.

452001 Art II: 2D Design & Drawing

Grade Placement: 10 - 12

Prerequisite: Art I: 2D or Art I: 3D

Credit: 1

What's next? Art III, AP 2D Art and Design, AP 3D Art and Design, AP Drawing, or AP Art History

Art II: 2D Design & Drawing is designed to spiral and expand on the Art I: 2D or Art I: 3D curriculum. Students will continue to explore a sequential study of drawing, color theory, painting, printmaking, technology and ceramics. Formal compositions will be completed in realistic, abstract, and non-objective styles. Students will build upon skills learned in Art I instruction in order to express big ideas with visual voice. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

452031 Art II: 2D Design & Drawing Honors

Grade Placement: 10 - 12

Prerequisite: Art I: 2D Design & Drawing Honors, Art I: 2D, or Art I: 3D

Credit: 1

What's next? Art III, AP 2D Art and Design, AP 3D Art and Design, AP Drawing, or AP Art History

The Art II: 2D Design & Drawing Honors curriculum is designed to spiral and expand on the Art I: 2D, Art I: 3D, or Art I: 2D Honors curriculum. Students will apply the elements and principles of art in all compositions to a greater proficiency than other Art II: 2D & Drawing students. Students grow their understanding of composition, design, drawing, painting, printmaking, technology, and ceramics with high expectations, as they continue reviewing requirements of the AP examination. The curriculum follows guidelines from the College Board and students learn what will be expected of them for the AP Portfolio courses. Art II: 2D Design & Drawing Honors is recommended for students seriously looking at utilizing creativity and the visual arts in their future career. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

456201 Art II: 3D Design & Sculpture

Grade Placement: 10 - 12

Prerequisite: Art I: 3D Design & Sculpture or Art I: 2D Design & Drawing

Credit: 1

What's next? AP 3D Art and Design

Art II: 3D Design and Sculpture is designed to spiral and expand on the Art I: 2D or Art I: 3D curriculum. Students will continue to explore a sequential study of relief, additive and subtractive sculpture, installations, ceramics, and digital work. Formal compositions will be completed in realistic, abstract, and non-objective styles. Students will build upon skills learned in Art I instruction in order to express big ideas with visual voice. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

452061 Art II: 3D Design & Sculpture Honors

Grade Placement: 10 - 12

Prerequisite: Art I: 3D Design & Sculpture Honors or Art I: 2D, or Art I: 3D

Credit: 1

What's next? AP 3D Art and Design

The Art II: 3D Design & Sculpture Honors curriculum is designed to spiral and expand the Art 3D curriculum. Students will apply the elements and principles of art in all composition to a greater proficiency than other Art Sculpture students. Students grow their understanding of drawing, sculpture, ceramics, technology, and problem solving techniques with high expectations, as they continue reviewing requirements of the AP portfolio. The curriculum aligns with guidelines from the College Board and students learn what will be expected of them for the AP Portfolio courses. Art II: 3D Design & Sculpture Honors is recommended for students seriously looking at utilizing creativity and the visual arts in their future career. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

453001 Art III

Grade Placement: 11 - 12

Prerequisite: Art I: 2D or 3D or Art and Media Communications I and Art II: 2D or 3D or Art and Media Communications II

Credit: 1

What's next? AP 2D Art and Design, AP 3D Art and Design, AP Drawing, or AP Art History

Art III will provide in-depth compositional studies in drawing and painting. Drawing studies will emphasize advanced life drawing techniques. Painting emphasis may be on techniques of watercolor and mixed media, plus relating art history to periods of drawing and painting. Students will also experience printmaking, technology, sculpture, and ceramics. Ceramics and sculpture will emphasize complex combinations of hand built techniques. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

**456351 AP 2D Art and Design
(2-hour block)**

Grade Placement: 11 – 12

Prerequisite: Art I: 2D or 3D

Credits: 2

What's next? AP 3D Art and Design, AP Drawing, or AP Art History

AP 2D Art and Design is an advanced studio course for the college-bound and career-oriented student. It is designed for talented art students who wish to pursue college level studies while in high school. Emphasis will be on advanced drawing and painting styles, 2-D design, color study, and digitally created art. Students will develop portfolios, consisting of two sections: Sustained Investigation and Selected Works, which fulfill current College Board requirements. This is a two-hour class. Students receive two credits, 1 AP credit and 1 honors credit. This course prepares the student to take the AP exam. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

**456371 AP 3D Art and Design
(2-hour block)**

Grade Placement: 11 - 12

Prerequisite: Art I: 2D or 3D

Credits: 2

What's next? AP 2D Art and Design, AP Drawing, or AP Art History

AP 3D Art and Design is an advanced studio course for the college-bound and career-oriented student. It is designed for talented art students who wish to pursue college level studies while in high school. Emphasis will be on advanced sculpture, ceramics, and three-dimensional design. Students will develop portfolios, consisting of two sections: Sustained Investigation and Selected Works, which fulfill current College Board requirements. This is a two-hour class. Students receive two credits, 1 AP credit and 1 honors credit. This course prepares the student to take the AP exam. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

**454051 AP Drawing
(2-hour block)**

Grade Placement: 11-12

Prerequisite: Art I: 2D or 3D

Credits: 2

What's next? AP 2D Art and Design, AP 3D Art and Design, or AP Art History

AP Drawing, a two-hour class, is an advanced studio course for the college-bound and career-oriented student. It is designed for talented art students who wish to pursue college level studies while in high school. Emphasis will be on drawing, in methods such as graphite, charcoal, painting, and printmaking. Students will develop portfolios, consisting of two sections: Sustained Investigation and Selected Works, which fulfill current College Board requirements. This is a two-hour class. Students receive two credits, 1 AP credit and 1 honors credit. This course prepares the student to take the AP exam. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

454071 AP Art History

Grade Placement: 11-12

Prerequisite: None

Credit: 1

The aim of the course is to introduce students to the rich traditions of western and non-European architecture, sculpture, painting and other art forms through factual knowledge and the skillful use of principles of aesthetics and comparative criticism. Students will learn how to respond to works of art with intelligence and sensitivity, examining the major forms of artistic expression of the past and of distant cultures as well as those of their own time and environment. Students may earn college credit by passing an exam written by the College Board. This course prepares the student to take the AP Art History exam. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

Career and Technical Education – Fine Arts Credit

Plano ISD Course No.	Subject	Grade	Credits
551501	Floral Design	11 – 12	1

551501 Floral Design

Grade Placement: 11 – 12

Prerequisite: None

Credit: 1 (fine arts credit)

This is an activity-based course which prepares students to develop competencies in flower classification and identification, geometric and specialized floral designs, identification and classification of plants, interior landscape development, and the use of artistic elements in personal designs. Students will learn business practices as they relate to the floral industry and are given the opportunity to develop leadership skills through the FFA organization. **Successful completion of both semesters of this course will satisfy the Fine Arts (1.0) credit required for graduation. This course provides instruction and training necessary for the Texas State Florists' Level 1 Certification.**

Dance Education

Plano ISD Course No.	Subject	Grade	Credits
451871	Dance I	9 – 12	1
452871	Dance II	10 – 12	1
453871	Dance III	11 – 12	1
454871	Dance IV	12	1

* Students enrolled in Dance I, II, III, or IV can earn either a *Fine Arts credit* or a *PE credit* upon successful completion of both semesters of this course.

451871 (FA) 451851 (PE) Grade Placement: 9 – 12 Prerequisite: None Credit: 1 <i>What's next?</i> Dance II	Dance I This course will focus on dance within a variety of dance genres at an introductory level. Students will acquire vocabulary and skills in ballet, jazz, modern, tap, hip hop and other genres. Dance history, choreography and performance skills will be introduced. The class is participatory in nature, utilizing movement as a form of creative expression. Specific attire will be required. Attendance at after school rehearsals and performances may be required. Successful completion of both semesters of this course will satisfy the Fine Arts credit <u>or</u> PE credit required for graduation.
452871 (FA) 452851 (PE) Grade Placement: 10 – 12 Prerequisite: Dance I or audition by instructor Credit: 1 <i>What's next?</i> Dance III	Dance II This course builds on the technical facility and skills attained in Dance I using advanced skills and concepts through continued study of various dance genres. In addition, course objectives will emphasize (1) creative expression through movement; (2) awareness of space, time, and energy in dance technique and improvisational studies; (3) development of self-confidence through the use of the body as an expressive instrument; and (4) appreciation of dance as an art form. Specific attire will be required. Attendance at after school rehearsals and performances may be required. Successful completion of both semesters of this course will satisfy the Fine Arts credit <u>or</u> PE credit required for graduation.
453871 (FA) 453851 (PE) Grade Placement: 11 – 12 Prerequisite: Dance II or audition by instructor Credit: 1 <i>What's next?</i> Dance IV	Dance III Dance III students will build on skills and techniques learned in Dance II, including creative expression, improvisation, and appreciation of dance as an art form. Qualities of movement are also explored. Kinesthetic awareness and movement memory is emphasized as well. Specific attire will be required. Attendance at after school rehearsals and performances may be required. Successful completion of both semesters of this course will satisfy the Fine Arts credit <u>or</u> PE credit required for graduation.
454871 (FA) 454851 (PE) Grade Placement: 12 Prerequisite: Dance III or audition by instructor Credit: 1	Dance IV This course focuses on the advanced dancer. An emphasis will be placed on style, technique and choreography. This class will also allow students to explore different avenues of dance performance beyond high school. Specific attire will be required. Attendance at after school rehearsals and performances may be required. Successful completion of both semesters of this course will satisfy the Fine Arts credit <u>or</u> PE credit required for graduation.

Music Education

Plano ISD Course No.	Subject	Grade	Credits
451301	Orchestra: String I	9 - 12	1
452301	Orchestra: String II	10 - 12	1
453301	Orchestra: String III	11 - 12	1
454301	Orchestra: String IV	12	1
451361	Orchestra: Philharmonic I	9 - 12	1
452361	Orchestra: Philharmonic II	10 - 12	1
453361	Orchestra: Philharmonic III	11 - 12	1
454361	Orchestra: Philharmonic IV	12	1
451371	Orchestra: Symphony I	9 - 12	1
452371	Orchestra: Symphony II	10 - 12	1
453371	Orchestra: Symphony III	11 - 12	1
454371	Orchestra: Symphony IV	12	1
451101	Band: Concert I	9 - 12	1
452101	Band: Concert II	10 - 12	1
453101	Band: Concert III	11 - 12	1
454101	Band: Concert IV	12	1
451121	Band: Symphonic I	9 - 12	1
452121	Band: Symphonic II	10 - 12	1
453121	Band: Symphonic III	11 - 12	1
454121	Band: Symphonic IV	12	1
451141	Band: Wind Ensemble I	9 - 12	1
452141	Band: Wind Ensemble II	10 - 12	1
453141	Band: Wind Ensemble III	11 - 12	1
454141	Band: Wind Ensemble IV	12	1
451171	Band: Percussion Ensemble I	9 - 10	.5 – 1
452171	Band: Percussion Ensemble II	10	.5 – 1

Plano ISD Course No.	Subject	Grade	Credits
453171	Band: Percussion Ensemble III	11 - 12	.5 – 1
454171	Band: Percussion Ensemble IV	12	.5 – 1
451191	Band: Jazz I	9 - 10	1
452191	Band: Jazz II	10	1
453191	Band: Jazz III	11 - 12	1
454191	Band: Jazz IV	12	1
451201	Choir: Concert I	9 - 12	1
452201	Choir: Concert II	10 - 12	1
453201	Choir: Concert III	11 - 12	1
454201	Choir: Concert IV	12	1
451221	Choir: Mixed I	9 - 12	1
452221	Choir: Mixed II	10	1
453221	Choir: Mixed III	11 - 12	1
454221	Choir: Mixed IV	12	1
451241	Choir: Tenor / Bass I	9 - 10	1
452241	Choir: Tenor / Bass II	10	1
453241	Choir: Tenor / Bass III	11 - 12	1
454241	Choir: Tenor / Bass IV	12	1
451271	Choir: Treble I	9 - 10	1
452271	Choir: Treble II	10	1
453271	Choir: Treble III	11 - 12	1
454271	Choir: Treble IV	12	1
451261	Choir: Jazz / Show I	9 - 12	1
452261	Choir: Jazz / Show II	10 - 12	1
453261	Choir: Jazz / Show III	11 - 12	1
454261	Choir: Jazz / Show IV	12	1

Plano ISD Course No.	Subject	Grade	Credits
453401	Music Studies (Music Theory)	11 - 12	1
454451	AP Music Theory	11 - 12	1

A student will receive 0.5 PE substitution credit for marching band participation during the fall semester.

451301 Orchestra: String I Grade Placement: 9 – 12 Prerequisite: Prior orchestra experience recommended Credit: 1 <i>What's next?</i> Orchestra II	This orchestra provides an opportunity for students to continue instrumental development at an intermediate level. Time will be required outside of class for rehearsals, trips, and other engagements. Attendance at all outside of school rehearsals and performances is required. This is a full year course. Course placement is determined by audition. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)
452301 Orchestra: String II Grade Placement: 10 – 12 Prerequisite: Orchestra I Credit: 1 <i>What's next?</i> Orchestra III	These courses are a continuation of String Orchestra. This orchestra provides an opportunity for students to continue instrumental development at an intermediate level. Time will be required outside of class for rehearsals, trips, and other engagements. Attendance at all outside of school rehearsals and performances is required. This is a full year course. Course placement is determined by audition. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)
453301 Orchestra: String III Grade Placement: 11 – 12 Prerequisite: Orchestra II Credit: 1 <i>What's next?</i> Orchestra IV	These courses are a continuation of String Orchestra. This orchestra provides an opportunity for students to continue instrumental development at an intermediate level. Time will be required outside of class for rehearsals, trips, and other engagements. Attendance at all outside of school rehearsals and performances is required. This is a full year course. Course placement is determined by audition. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)
454301 Orchestra: String IV Grade Placement: 12 Prerequisite: Orchestra III Credit: 1	
451361 Orchestra: Philharmonic I Grade Placement: 9 – 12 Prerequisite: Prior orchestra experience recommended Credit: 1 <i>What's next?</i> Orchestra II	This orchestra provides an opportunity for students to continue instrumental development at an intermediate/advanced level. Time will be required outside of class for rehearsals, trips, and other engagements. Attendance at all outside of school rehearsals and performances is required. This is a full year course. Course placement is determined by audition. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

**452361 Orchestra:
Philharmonic II**

Grade Placement: 10 – 12

Prerequisite: Orchestra I

Credit: 1

What's next? Orchestra III

**453361 Orchestra:
Philharmonic III**

Grade Placement: 11 – 12

Prerequisite: Orchestra II

Credit: 1

What's next? Orchestra IV

**454361 Orchestra:
Philharmonic IV**

Grade Placement: 12

Prerequisite: Orchestra III

Credit: 1

These courses are a continuation of Philharmonic Orchestra. This orchestra provides an opportunity for students to continue instrumental development at an intermediate/advanced level. Time will be required outside of class for rehearsals, trips, and other engagements. Attendance at all outside of school rehearsals and performances is required. This is a full year course. Course placement is determined by audition. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

**451371 Orchestra:
Symphony I**

Grade Placement: 9 – 12

Prerequisite: Prior orchestra experience recommended

Credit: 1

What's next? Orchestra II

This orchestra provides an opportunity for students to continue instrumental development at an advanced level. Time will be required outside of class for rehearsals, trips, and other engagements. Attendance at all outside of school rehearsals and performances is required. This is a full year course. Course placement is determined by audition. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

**452371 Orchestra:
Symphony II**

Grade Placement: 10 – 12

Prerequisite: Orchestra I

Credit: 1

What's next? Orchestra III

**453371 Orchestra:
Symphony III**

Grade Placement: 11 – 12

Prerequisite: Orchestra II

Credit: 1

What's next? Orchestra IV

**454371 Orchestra:
Symphony IV**

Grade Placement: 12

Prerequisite: Orchestra III

Credit: 1

These classes are a continuation of Symphony Orchestra. This orchestra provides an opportunity for students to continue instrumental development at an advanced level. Time will be required outside of class for rehearsals, trips, and other engagements. Attendance at all outside of school rehearsals and performances is required. This is a full year course. Course placement is determined by audition. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

451101 Band: Concert I

Grade Placement: 9 – 12

Prerequisite: Prior band experience recommended

Credit: 1

What's next? Band II

This course provides an opportunity for students to continue instrumental development at an intermediate level. This band will perform as a part of the total band program at all designated football games, pep assemblies, parades, marching contests, concerts, and festivals. Time will be required outside of class for rehearsals, trips, and other engagements. Attendance at all outside of school rehearsals and performances is required. This is a full-year course. Course placement is determined by audition. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

452101 Band: Concert II

Grade Placement: 10 – 12

Prerequisite: Band I

Credit: 1

What's next? Band III**453101 Band: Concert III**

Grade Placement: 11 – 12

Prerequisite: Band II

Credit: 1

What's next? Band IV**454101 Band: Concert IV**

Grade Placement: 12

Prerequisite: Band III

Credit: 1

These courses are a continuation of Concert Band. This band will perform as a part of the total band program at all designated football games, pep assemblies, parades, marching contests, concerts, and festivals. Time will be required outside of class for rehearsals, trips, and other engagements. Attendance at all outside of school rehearsals and performances is required. This is a full-year course. Course placement is determined by audition. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

451121 Band: Symphonic I

Grade Placement: 9 – 12

Prerequisite: Prior band experience recommended

Credit: 1

What's next? Band II

This band provides an opportunity for students to continue instrumental development at an intermediate/advanced level. This band will perform as a part of the total band program at all designated football games, pep assemblies, parades, marching contests, concerts, and festivals. Time will be required outside of class for rehearsals, trips, and other engagements. Attendance at all outside of school rehearsals and performances is required. This is a full-year course. Course placement is determined by audition. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

452121 Band: Symphonic II

Grade Placement: 10 – 12

Prerequisite: Band I

Credit: 1

What's next? Band III**453121 Band: Symphonic III**

Grade Placement: 11 – 12

Prerequisite: Band II

Credit: 1

What's next? Band IV**454121 Band: Symphonic IV**

Grade Placement: 12

Prerequisite: Band III

Credit: 1

These courses are a continuation of Symphonic Band. This band will perform as a part of the total band program at all designated football games, pep assemblies, parades, marching contests, concerts, and festivals. Time will be required outside of class for rehearsals, trips, and other engagements. Attendance at all outside of school rehearsals and performances is required. This is a full-year course. Course placement is determined by audition. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

**451141 Band:
Wind Ensemble I**

Grade Placement: 9 – 10

Prerequisite: Prior band experience recommended

Credit: 1

What's next? Band II

This band provides an opportunity for students to continue instrumental development at an advanced level. This band will perform as a part of the total band program at all designated football games, pep assemblies, parades, marching contests, concerts, and festivals. Time will be required outside of class for rehearsals, trips, and other engagements. Attendance at all outside of school rehearsals and performances is required. This is a full-year course. Course placement is determined by audition. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

**452141 Band:
Wind Ensemble II**

Grade Placement: 10 – 12

Prerequisite: Band I

Credit: 1

What's next? Band III

**453141 Band:
Wind Ensemble III**

Grade Placement: 11 – 12

Prerequisite: Band II

Credit: 1

What's next? Band IV

**454141 Band:
Wind Ensemble IV**

Grade Placement: 12

Prerequisite: Band III

Credit: 1

These courses are a continuation of Wind Ensemble. This band provides an opportunity for students to continue instrumental development at an advanced level. This band will perform as a part of the total band program at all designated football games, pep assemblies, parades, marching contests, concerts, and festivals. Time will be required outside of class for rehearsals, trips, and other engagements. Attendance at all outside of school rehearsals and performances is required. This is a full-year course. Course placement is determined by audition. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

451191 Band: Jazz I

Grade Placement: 9 – 10

Prerequisite: Audition by instructor and instrumental experience recommended

Credit: 1

What's next? Jazz Band II

This course is for those students interested in pursuing the study and performance of jazz/popular music. Students will perform in a variety of formal and informal settings and may participate in festivals and competitions. This course must be taken in conjunction with Band I except when instrumentation needs cannot be met with students within the band program. The study of improvisation will be incorporated into the curriculum of this course. Course placement is determined by audition. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

452191 Band: Jazz II

Grade Placement: 10

Prerequisite: Audition by instructor and instrumental experience

Credit: 1

What's next? Jazz Band III**453191 Band: Jazz III**

Grade Placement: 11 – 12

Prerequisite: Audition by instructor and instrumental experience

Credit: 1

What's next? Jazz Band IV**454191 Band: Jazz IV**

Grade Placement: 12

Prerequisite: Audition by instructor and instrumental experience

Credit: 1

These courses are for those students interested in pursuing the study and performance of jazz/popular music. Students will perform in a variety of formal and informal settings and may participate in festivals and competitions. This course must be taken in conjunction with Band II, III, or IV except when instrumentation needs cannot be met with students within the band program. The study of improvisation will be incorporated into the curriculum of this course. Course placement is determined by audition. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

451201 Choir: Concert I

Grade Placement: 9 – 12

Prerequisite: None

Credit: 1

What's next? Choir II

This course is for male and/or female students with beginning or intermediate skills in sight-reading and choral singing. Instruction in this course will continue to develop vocal skills necessary for ensemble singing. Emphasis will be placed upon developing an appreciation for music. Students will perform in concert programs and participate in competitive events coordinated by the University Interscholastic League contests. Attendance at after school rehearsals and performances will be required to fulfill all course objectives. The voicing of this choir (Mixed, Treble or Tenor/Bass) is at the director's discretion. This is a full-year course. Course placement is determined by audition. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

452201 Choir: Concert II

Grade Placement: 10 – 12

Prerequisite: Choir I

Credit: 1

What's next? Choir III**453201 Choir: Concert III**

Grade Placement: 11 – 12

Prerequisite: Choir II

Credit: 1

What's next? Choir IV**454201 Choir: Concert IV**

Grade Placement: 12

Prerequisite: Choir III

Credit: 1

These courses are a continuation of Concert Choir for male and/or female students with beginning or intermediate skills in sight-reading and choral singing. Instruction in this course will continue to develop vocal skills necessary for ensemble singing. Emphasis will be placed upon developing an appreciation for music. Students will perform in concert programs and participate in competitive events coordinated by the University Interscholastic League contests. Attendance at after school rehearsals and performances will be required to fulfill all course objectives. The voicing of this choir (Mixed, Treble or Tenor/Bass) is at the director's discretion. This is a full-year course. Course placement is determined by audition. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

451221 Choir: Mixed I

Grade Placement: 9 – 10

Prerequisite: Prior choral experience recommended

Credit: 1

What's next? Choir II

This choir is for male and female students with intermediate or advanced skills in sight-reading and choral singing. Instruction in this course will continue to develop vocal skills necessary for ensemble singing. Emphasis will be placed upon the performance of diverse variety of choral styles. Students will perform in concert programs and participate in competitive events coordinated by the University Interscholastic League contests. Attendance at after school rehearsals and performances will be required to fulfill all course objectives. This is a full-year course. Course placement is determined by audition. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

452221 Choir: Mixed II

Grade Placement: 10

Prerequisite: Choir I

Credit: 1

What's next? Choir III

453221 Choir: Mixed III

Grade Placement: 11 – 12

Prerequisite: Choir II

Credit: 1

What's next? Choir IV

454221 Choir: Mixed IV

Grade Placement: 12

Prerequisite: Choir III

Credit: 1

These courses are a continuation of Concert or Mixed Choir for male and female students with advanced skills in sight-reading and choral singing. Instruction in this course will continue to develop vocal skills necessary for ensemble singing. Emphasis will be placed upon the performance of diverse variety of choral styles. Students will perform in concert programs and participate in competitive events coordinated by the University Interscholastic League contests. Attendance at after school rehearsals and performances will be required to fulfill all course objectives. This is a full-year course. Course placement is determined by audition. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

451241 Choir: Tenor / Bass I

Grade Placement: 9 – 12

Prerequisite: None

Credit: 1

What's next? Choir II

This course is for male students with beginning or intermediate skills in sight-reading and choral singing. Instruction in this course will develop the vocal skills of the changing adolescent male voice. Emphasis will be placed upon developing an appreciation for music. Students will perform in concert programs and participate in competitive events coordinated by the University Interscholastic League contests. Attendance at after school rehearsals and performances will be required to fulfill all course objectives. This is a full-year course. Course placement is determined by audition. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

452241 Choir: Tenor / Bass II

Grade Placement: 10

Prerequisite: Choir I

Credit: 1

What's next? Choir III**453241 Choir: Tenor / Bass III**

Grade Placement: 11 – 12

Prerequisite: Choir II

Credit: 1

What's next? Choir IV**454241 Choir: Tenor / Bass IV**

Grade Placement: 12

Prerequisite: Choir III

Credit: 1

These courses are a continuation of Tenor/Bass Choir for male students with intermediate or advanced skills in sight-reading and choral singing. Instruction in this course will continue to support the vocal skills of the changing adolescent male voice. Emphasis will be placed upon developing an appreciation for music. Students will perform in concert programs and participate in competitive events coordinated by the University Interscholastic League contests. Attendance at after school rehearsals and performances will be required to fulfill all course objectives. This is a full-year course. Course placement is determined by audition. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

451271 Choir: Treble I

Grade Placement: 9 – 10

Prerequisite: None

Credit: 1

What's next? Choir II

This course is for female students with beginning or intermediate skills in sight-reading and choral singing. Instruction in this course will develop the vocal skills of the maturing adolescent female voice. Emphasis will be placed upon developing an appreciation for music. Students will perform in concert programs and participate in competitive events coordinated by the University Interscholastic League contests. Attendance at after school rehearsals and performances will be required to fulfill all course objectives. This is a full-year course. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

452271 Choir: Treble II

Grade Placement: 10

Prerequisite: Choir I

Credit: 1

What's next? Choir III**453271 Choir: Treble III**

Grade Placement: 11 – 12

Prerequisite: Choir II

Credit: 1

What's next? Choir IV**454271 Choir: Treble IV**

Grade Placement: 12

Prerequisite: Choir III

Credit: 1

These courses are a continuation of Treble Choir for female students with beginning or intermediate skills in sight-reading and choral singing. Instruction in this course will develop the vocal skills of the maturing adolescent female voice. Emphasis will be placed upon developing an appreciation for music. Students will perform in concert programs and participate in competitive events coordinated by the University Interscholastic League contests. Attendance at after school rehearsals and performances will be required to fulfill all course objectives. This is a full-year course. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

451261 Choir: Jazz / Show I

Grade Placement: 9 – 12

Prerequisite: Audition by instructor and choral experience recommended

Credit: 1

What's next? Jazz / Show Choir II

This course is for those male and female students interested in pursuing the study and performance of jazz and popular music. Students will perform in a variety of formal and informal settings and may participate in festivals and competitions. This course must be taken in conjunction with Choir I-IV except when instrumentation needs cannot be met with students within that organization. The study of improvisation may be incorporated into the curriculum of this course. Attendance at after school rehearsals and performances will be required. This is a full-year course. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

452261 Choir: Jazz / Show II

Grade Placement: 10 - 12

Prerequisite: Audition by instructor and choral experience

Credit: 1

What's next? Jazz / Show Choir III

453261 Choir: Jazz / Show III

Grade Placement: 11 – 12

Prerequisite: Audition by instructor and choral experience

Credit: 1

What's next? Jazz / Show Choir IV

454261 Choir: Jazz / Show IV

Grade Placement: 12

Prerequisite: Audition by instructor and choral experience

Credit: 1

These courses are a continuation of Jazz/Show Choir for male and female students with intermediate to advanced music reading skills who are interested in pursuing the study and performance of jazz and popular music. Students will perform in a variety of formal and informal settings and may participate in extra-curricular festivals and competitions. This course must be taken in conjunction with Choir II, III, or IV except when instrumentation needs cannot be met with students within that organization. The study of improvisation will be incorporated into the curriculum of this course. Attendance at after school rehearsals and performances will be required. This is a full-year course. Additional supply fees may be associated with this course; however, Plano ISD will take steps to ensure that costs will not prevent access to programs. (see Consumable Supply Fees on page 10)

453401 Music Studies (Music Theory)

Grade Placement: 11 – 12

Prerequisite: None

Credit: 1

This course offers students opportunities to listen to, analyze, perform and create music from various styles and genres (e.g. folk, classical, jazz and popular music). One unit of this course may serve as the required fine arts credit for graduation.

454451 AP Music Theory

Grade Placement: 11 - 12

Prerequisite: Knowledge of music fundamentals and / or approval of instructor

Credit: 1

This course is a study of advanced music literacy, focusing on aural and written musical skills. This course covers material typically taught at a college freshman level. For students who plan to continue musical studies on the college level, this course will offer an essential opportunity for in-depth study and preparation. The expected outcome of this course is to prepare students for success on the Advanced Placement Music Theory exam.

Theatre Education

Plano ISD Course No.	Subject	Grade	Credits
451801	Theatre Arts I	9 – 12	1
452801	Theatre Arts II	10 – 12	1
453801	Theatre Arts III	11 – 12	1
454801	Theatre Arts IV	12	1
451901	Theatre: Technical Theatre I	9 – 12	1
452901	Theatre: Technical Theatre II	10 – 12	1
453901	Theatre: Technical Theatre III	11 – 12	1
454901	Theatre: Technical Theatre IV	12	1
451951	Theatre: Musical Theatre I	11 – 12	1
452951	Theatre: Musical Theatre II	12	1
455101	Theatre: Production I	9 – 12	1
455201	Theatre: Production II	10 – 12	1
455301	Theatre: Production III	11 – 12	1
455401	Theatre: Production IV	12	1
455131	Theatre: Production III Honors	11 – 12	1
455231	Theatre: Production IV Honors	12	1

451801 Theatre Arts I

Grade Placement: 9 – 12

Prerequisite: None

Credit: 1

What's next? Theatre Arts II

The Theatre Arts I course is an introductory study in the high school theatre arts program. Basic acting techniques, technical theatre, literature, terminology, history, voice & diction and the fundamentals of play production are introduced. Students will experience the production process through performance, directing and criticism. **Students will be required to read plays and see live theatrical productions.**

452801 Theatre Arts II

Grade Placement: 10 – 12

Prerequisite: Theatre Arts I (1 credit)

Credit: 1

What's next? Theatre Arts III

The Theatre Arts II course is a continuation of the study in theatre in the high school theatre arts program. An extension of basic acting techniques, technical theatre, literature, terminology, history, voice & diction and play production are examined. Students will further develop the production process through performance, directing and criticism. **Students will be required to read plays and see live theatrical productions.**

453801 Theatre Arts III

Grade Placement: 11 – 12

Prerequisite: Theatre Arts I (1 credit)

Credit: 1

What's next? Theatre Arts IV

454801 Theatre Arts IV

Grade Placement: 12

Prerequisite: Theatre Arts I (1 credit)

Credit: 1

The Theatre Arts III and IV courses are a continuation of the study of theatre in the high school theatre arts program. An extension of basic acting techniques, technical theatre, literature, terminology, history, voice & diction and play production are examined. Students will further develop the production process through performance, directing and criticism. **Students will be required to read plays and see live theatrical productions.**

451901 Theatre: Technical Theatre I

Grade Placement: 9 – 12

Prerequisite: An application may be required

Credit: 1

What's next? Technical Theatre II

Students in technical theatre will study the fundamentals of stage design, set and property construction, as well as the principles of sound and stage lighting. Theatrical production is an integral part of this class and will require students to participate in the overall construction of campus shows. **Each student will be required to attend some play rehearsals and may serve on production crews outside of class. Students will be required to read plays and see live theatrical productions.**

452901 Theatre: Technical Theatre II

Grade Placement: 10 – 12

Prerequisite: Technical Theatre I; an application may be required

Credit: 1

What's next? Theatre Production I and III

453901 Theatre: Technical Theatre III

Grade Placement: 11 – 12

Prerequisite: Technical Theatre I, Technical Theatre II; an application may be required

Credit: 1

What's next? Theatre Production I and III

454901 Theatre: Technical Theatre IV

Grade Placement: 12

Prerequisite: Technical Theatre I, Technical Theatre II, Technical Theatre III; an application may be required

Credit: 1

What's next? Theatre Production I and III

Students in technical theatre will study the advanced fundamentals of stage design, set and property construction, as well as the principles of sound and stage lighting. Theatrical production is an integral part of this class and will require students to participate in the overall construction of campus shows. **Each student will be required to attend some play rehearsals and may serve on production crews outside of class. Students will be required to read plays and see live theatrical productions.**

451951 Theatre: Musical Theatre

Grade Placement: 11 - 12

Prerequisite: One credit in two of the following: Theatre, Choir, or Dance (ex, Theatre I and Dance I, or Theatre I and Choir, or Theatre I and Theatre II), and audition

Credit: 1

Musical Theatre will expose students to a wide range of on-stage performance disciplines, including acting performance, vocal performance, and dance performance. The course will also provide an atmosphere in which students benefit from a teaching and learning experience in these performance disciplines of musical theatre. Students will receive comprehensive and rigorous instruction so that they may make informed choices about the craft, college, and the profession. The course will enhance and cultivate the creative gifts of each student while encouraging a sense of self-confidence. The course will enable students to study and perform the varied styles of musical theatre with special attention to the principles of stage movement, stage vocal technique, stage choreography, acting, characterization, and other aspects of a musical production.

452951 Theatre: Musical Theatre II

Grade Placement: 12

Prerequisite: Musical Theatre I and one credit in two of the following: Dance, Music or Theatre, and audition

Credit: 1

Musical Theatre II will continue to expose students to a wide range of on-stage performance disciplines, including acting performance, vocal performance, and dance performance. The course will also provide an atmosphere in which students benefit from a teaching and learning experience in these performance disciplines of musical theatre. Students will receive comprehensive and rigorous instruction so that they may make informed choices about the craft, college, and the profession. The course will enhance and cultivate the creative gifts of each student while encouraging a sense of self-confidence. The course will enable students to study and perform the varied styles of musical theatre with special attention to the principles of stage movement, stage vocal technique, stage choreography, acting, characterization, and other aspects of a musical production.

455101 Theatre: Production I

Grade Placement: 9 – 12

Prerequisite: an audition and application are required

Credit: 1

What's next? Theatre Production II

455201 Theatre: Production II

Grade Placement: 10 – 12

Prerequisite: Theatre Arts I or Theatre Production I; an audition and application are required

Credit: 1

What's next? Theatre Production III or Theatre Production III Honors

455301 Theatre: Production III

Grade Placement: 11 - 12

Prerequisite: Theatre Arts I, II, or Theatre Production I or II; an audition and application are required

Credit: 1

What's next? Theatre Production IV or Theatre Production IV Honors

455401 Theatre: Production IV

Grade Placement: 12

Prerequisite: Theatre Arts I, II, III, or Theatre Production I, II, or III; an audition and application are required

Credit: 1

Students enrolled in the Theatre Production courses will deepen their theatrical study with enhanced experiences and will explore the relevance of theatre-related activities in everyday life. An emphasis will be placed on strengthening the individual's self-concept through the study of various acting techniques, technical theatre, play production, voice & diction, acting, performance, movement, history and literature. **Students are required to participate in all productions on their campus either as a performer or technician. A research paper/portfolio will be required and students will be required to read plays and see local live theatrical productions.**

455131 Theatre: Production III Honors

Grade Placement: 11 – 12

Prerequisite: Theatre Arts I, II, III or Theatre Production I or II; an audition and application are required

Credit: 1

What's next? Theatre Production IV Honors

Students enrolled in the honors Theatre Production courses will deepen their theatrical study with enhanced experiences and will explore the relevance of theatre-related activities in everyday life. An emphasis will be placed on strengthening the individual's self-concept through the study of various acting techniques, technical theatre, play production, voice & diction, acting, performance, movement, history and literature. **Students are required to participate in all productions on their campus either as a performer or technician. A portfolio and directing assignment will be required and students will be required to read plays and see local live theatrical productions.**

455231 Theatre: Production IV Honors

Grade Placement: 12

Prerequisite: Theatre Arts I, II, III or Theatre Production I, II, or III; an audition and application are required

Credit: 1

Students enrolled in the honors Theatre Production courses will deepen their theatrical study with enhanced experiences and will explore the relevance of theatre-related activities in everyday life. An emphasis will be placed on strengthening the individual's self-concept through the study of various acting techniques, technical theatre, play production, voice & diction, acting, performance, movement, history and literature. **Students are required to participate in all productions on their campus either as a performer or technician. A portfolio and directing assignment will be required and students will be required to read plays and see local live theatrical productions.**

GIFTED EDUCATION (PACE / HUMANITIES)

To find out more about the Social Studies Texas Essential Knowledge and Skills (TEKS) click [here](#).

Plano ISD Course No.	Subject	Grade	Credits
101041	Humanities I English I GT (English I Honors)	9	1
252041	Humanities II AP World History GT (AP World History)	10	1
S14251	American Studies (AP English III Language and Composition and AP U.S. History)	11	2
S25425	American Principles (AP Econ. and AP Govt.)	12	1
95243B	The Human Experience: Culture, Media and Perception Honors	12	.5 – 1

101041 Humanities I English I GT (English I Honors)

Grade Placement: 9
Prerequisite: G/T Identification
Credit: 1

252041 Humanities II AP World History GT (AP World History)

Grade Placement: 10
Prerequisite: G/T Identification
Credit: 1
What's next? American Studies

Humanities I English I GT and Humanities II AP World History GT are courses that provide gifted students with opportunities not available through regular or advanced classes. The course integrates the Humanities into a combined English I Honors and AP World History two-year interdisciplinary course. The curriculum includes a historical study of the commonalities of the fine arts including literature, the visual arts, architecture, and music. Humanities I focuses on the period up to the Renaissance; Humanities II examines the period from the Renaissance to contemporary times. Students will learn and practice the craft of writing through various products. Literature from a variety of world traditions will also be a key focus. Ninth and tenth grade students will sit in the same class while earning credit in separate courses; ninth graders will earn English I Honors credit while tenth graders earn AP World History credit. At the conclusion of Humanities II, students may choose to sit for the AP World History exam in the hopes of earning college credit. **Humanities does NOT fulfill the fine arts requirement for graduation and is not recognized as a fine arts course by TEA.**

S14251 American Studies (AP English III Language and Composition and AP U.S. History)

Grade Placement: 11
Prerequisite: G/T Identification or World History AP recommended
Credit: 2
What's next? American Principles or The Human Experience: Culture, Media and Perception

Designed for the gifted and/or accelerated learner, American Studies integrates the Humanities into a combined AP US History and AP English III Language and Composition course to create a daily two hour cultural experience which demands students to simultaneously explore the connections between literature, history and the Humanities. Students will explore the history of the United States with an emphasis on both collaborative and independent work that emphasizes the study of rhetorical styles and the structures of important historical documents and readings. This course considers cultural accomplishments as manifested in art, architecture, literature, music, theater and philosophy. American literature of all genres is incorporated into the curriculum to enhance the depiction of various historical time periods. At the conclusion of the course, students may choose to take both the AP US History and the AP English Language and Composition exams to possibly earn college credit.

**S25425 American Principles
(AP Economics and AP
Government)**

Grade Placement: 12

Prerequisite: G/T Identification or American
Studies recommended

Credit: 1

American Principles is the senior year offering for students receiving gifted services and/or high achieving students seeking an integrated learning experience. This course combines AP Economics, AP Government, and the Humanities. Although the first semester will focus on Government and the second semester on Economics, both subject areas will be referred to throughout the year. The elements of the Humanities will be considered as both a citizenry's response to, and a catalyst for, governmental and economic decisions and public policy. Students may choose to take both the AP Economics and the AP Government exams at the end of the course.

**95243B The Human Experience:
Culture, Media and
Perception Honors**

Grade Placement: 12

Prerequisite: G/T Identification, and/or American
Studies

Credit: .5 - 1

The course focuses on overarching themes and 21st century issues; multi-media sources are examined requiring students to consider how the media influences students' understanding of world events. The highly independent nature of this course encourages gifted and high achieving students to take ownership of their learning experience while exploring the connection between 21st century media and current events. A focus on skills such as persuasion, analysis, and research requires each student to develop a position on each topic. The course culminates in a "position presentation" on a topic of the student's choice.

HEALTH

To find out more about the Health Education Texas Essential Knowledge and Skills (TEKS) click [here](#).

Plano ISD Course No.	Subject	Grade	Credits
30100B	Health I	9 – 12	.5
30107B	Health I (eSchool) (see pg. 20 for information)	9 – 12	.5
554431	Health Science Theory	10 – 11	1

30100B Health I

Grade Placement: 9 – 12

Prerequisite: None

Credit: .5

In Health I, students develop skills that will help them become health-literate adults. Students gain a deeper understanding of the knowledge and behaviors they use to safeguard their health, particularly pertaining to health risks. Students are taught how to access accurate information they can use to promote health for themselves and others in areas such as fitness, nutrition, mental/emotional health, substance abuse, and interpersonal relationships including human sexuality. Students use problem-solving, research, goal-setting, and communication skills to protect their own health and that of the community. **Successful completion of this course will satisfy the Health requirement for graduation.**

554431 Health Science Theory

Grade Placement: 10 – 11

Prerequisite: Biology

Credit: 1 (satisfies Health requirement for graduation)

What's next? Practicum in Health Science I, World Health Research, Anatomy & Physiology, or Medical Terminology

Health Science Theory is a one-hour full-year program that provides students the opportunity for comprehensive study of human anatomy and physiology, medical terms, intro to basic patient care skills, AHA First Aid and CPR certification, as well as health career exploration. ***This course is the required prerequisite for Practicum in Health Science I & II (Clinical Rotations I & II) and Pharmacology.** **Successful completion of both semesters of this course will satisfy the Health requirement for graduation.**

JOURNALISM

To find out more about the English Language Arts Texas Essential Knowledge and Skills (TEKS) click [here](#).

Plano ISD Course No.	Subject	Grade	Credits
106401	Yearbook I	9 – 12	1
106501	Yearbook II	10 – 12	1
106601	Yearbook III	11 – 12	1
106001	Journalism	11 – 12	1
106101	Newspaper I	11 – 12	1
106201	Newspaper II	11 – 12	1
106751	Photojournalism	11 – 12	.5 – 1
106701	Independent Study / Journalism	12	1

106401 Yearbook I

Grade Placement: 9 – 12

Prerequisite: Application may be required

Credit: 1

What's next? Yearbook II

Yearbook I gives students the opportunity to create layouts, do copy work, and take photographs to prepare the high school yearbook.

106501 Yearbook II

Grade Placement: 10 – 12

Prerequisite: Yearbook I and application may be required

Credit: 1

What's next? Yearbook III

Yearbook II is a continuation of Yearbook I. Students will be given the opportunity to do advanced layout and copy work for the high school yearbook. More extensive photographic work will be done.

106601 Yearbook III

Grade Placement: 11 - 12

Prerequisite: Yearbook I and application may be required

Credit: 1

This course is designed to give students in-depth training in layout, copy writing, composition, advertising, and photography as well as to develop independent study projects.

106001 Journalism

Grade Placement: 11 - 12

Prerequisite: None

Credit: 1

What's Next? Newspaper I or Newspaper II

This course is a general survey course of the mass media. Students will study the history of journalism, become familiar with careers available in the mass media, and learn the skills of reporting, news writing, and editing. Students will participate in extensive writing, revising, and editing.

106101 Newspaper I

Grade Placement: 11 – 12

Prerequisite: Journalism I and/or application

Credit: 1

What's next? Newspaper II

This course is designed to give students practical experience in writing, editing, advertising, and producing publications. Class members will write, edit, and take photographs for the senior high newspaper.

106201 Newspaper II Grade Placement: 11 - 12 Prerequisite: Newspaper I and/or application Credit: 1	Students in this course will receive practical experience in writing, investigative reporting, editing, advertising, and processing the student newspaper. They will develop independent study projects and/or receive on the job training in a particular phase of the mass media.
106751 Photojournalism Grade Placement: 11 - 12 Prerequisite: Yearbook and/or application Credit: .5 - 1	Students enrolled in this course will refine and enhance their journalistic skills and plan, prepare, and produce photographs for a journalistic publication (such as the school yearbook).
106701 Independent Study / Journalism Grade Placement: 12 Prerequisite: Teacher approval Credit: 1	This course offers the serious student of journalism the opportunity to conduct research, produce original work in print or some other media, develop an advanced skill, and study a specific area of interest.

JUNIOR RESERVE OFFICER TRAINING (JROTC)

Plano ISD Course No.	Subject	Grade	Credits
953101	JROTC 1	9 – 10	1
953201	JROTC 2	10	1
953301	JROTC 3	11 – 12	1
953401	JROTC 4	12	1

Students **do not** incur any military obligation by participating in JROTC courses. Uniforms are provided/fitted at no cost. Elective credit is granted for each semester of JROTC unless the course is counted as a substitution for the state 1 credit physical education requirement.

953101 JROTC 1

Grade Placement: 9 – 10

Prerequisite: None

Credit: 1

What's Next? JROTC 2

The focus of all instruction is on the enhancement of responsible citizenship and leadership. Through the Corps of Cadets, students learn to take and respond to orders, prepare for higher positions of responsibility, develop self-discipline, pride, bearing, self-control, and teamwork. Classroom subjects include a study of citizenship values using the Constitution, the Bill of Rights, American Military History; First Aid; and various physical training activities. Students may participate in extracurricular activities such academic team, leadership team, color guard, marksmanship team, drill team, honor guard, and physical fitness team. Several extracurricular competitions and other activities involving all members of the Corps of Cadets are conducted throughout the school year.

953201 JROTC 2

953301 JROTC 3

953401 JROTC 4

Grade Placement: 10 – 12

Prerequisite: JROTC 1, 2 or 3 recommended

Credit: 1

These courses are a continuation of the previous JROTC level and are designed to place students in mid-level organizational leadership positions with increased responsibility and authority. Instruction will reinforce previous leadership and citizenship training and further develop the students' ability to motivate and lead other students. Classroom subjects include intermediate leadership, oral and written communication, military history, the roles of the military forces, first aid, drug abuse prevention, and citizenship. Additionally, emphasis is placed on applying to colleges, pursuing scholarship opportunities, and understanding the process of college admittance. All extra-curricular activities and field trips are available to enrolled students. For a detailed overview of each JROTC course please go to:

<https://www.pisd.edu/domain/421>

LANGUAGES OTHER THAN ENGLISH

To find out more about the Languages Other Than English Texas Essential Knowledge and Skills (TEKS) click [here](#).

Plano ISD Course No.	Subject	Grade	Credits
500101	American Sign Language I	9 – 12	1
500201	American Sign Language II	10 – 12	1
500301	American Sign Language III	11 – 12	1
501601	Chinese I	9 – 10	1
502601	Chinese II	9 – 12	1
503631	Chinese III Honors	11 – 12	1
504651	AP Chinese IV	11 – 12	1
501101	French I	9 – 10	1
502101	French II	9 – 12	1
503131	French III Honors	10 – 12	1
504151	AP French IV	11 – 12	1
505131	French V Honors	12	1
501201	German I	9 – 10	1
502201	German II	9 – 12	1
503231	German III Honors	11 – 12	1
504251	AP German IV	12	1
501401	Spanish I	9 – 12	1
501441	Spanish I (eSchool) (see pg. 20 for information)	9 – 12	.5 – 1
502401	Spanish II	9 – 12	1
502441	Spanish II (eSchool) (see pg. 20 for information)	9 – 12	.5 – 1
503401	Spanish III	9 – 12	1
503431	Spanish III Honors	10 – 12	1
504401	Spanish IV	11 – 12	1

Plano ISD Course No.	Subject	Grade	Credits
504451	AP Spanish IV	11 – 12	1
505451	AP Spanish V	12	1

If students choose to accelerate in a language beyond the course offerings for a campus, please note that transportation is not provided and scheduling solutions are not guaranteed.

500101 American Sign Language I Grade Placement: 9 – 12 Prerequisite: None Credit: 1 <i>What's Next?</i> American Sign Language II	American Sign Language I is an introduction to the language and the culture. The main emphasis is on communication while developing receptive and productive skills. The student will be guided in recognizing the interrelationships of languages and will develop a cultural appreciation of the deaf world. The expected outcome of this course will be developing novice mid – novice high proficiency. This course is conducted in ASL (without voice) a significant amount of time.
500201 American Sign Language II Grade Placement: 10 – 12 Prerequisite: American Sign Language I Credit: 1 <i>What's Next?</i> American Sign Language III	American Sign Language II continues to develop communicative skills. The major emphasis is on developing receptive and productive language skills. Expansion of vocabulary and grammatical structures continues, and further exploration of Deaf Culture will be addressed and explored. The expected outcome of this course will be developing novice high – intermediate low proficiency. This course is conducted in ASL (without voice) a significant amount of time.
500301 American Sign Language III Grade Placement: 11 – 12 Prerequisite: American Sign Language I and American Sign Language II Credit: 1	American Sign Language III is an intermediate level class for students who have successfully completed ASL 1 and 2. Students will continue to build upon their expressive and receptive language and vocabulary skills. Learning to recognize and produce ASL sentences using grammatical features such as location classifiers, quantifiers, temporal aspect inflection, and spatial agreement will be emphasized. Students continue cultural exploration of the Deaf Community. The expected outcome of this course will be developing intermediate low – intermediate mid proficiency. This course is conducted in ASL (without voice) a significant amount of time.
501601 Chinese I Grade Placement: 9 – 10 Prerequisite: None Credit: 1 <i>What's Next?</i> Chinese II	Chinese I is an introduction to the Chinese world, its language and its people. The main emphasis is on oral skills while developing reading and writing skills. The student will be guided in recognizing the interrelationships of language and will develop a cultural appreciation of the Chinese world. The expected outcome of this course is developing novice mid – novice high proficiency. This course is conducted in Chinese a significant amount of time.

502601 Chinese II Grade Placement: 9 – 12 Prerequisite: Chinese I Credit: 1 <i>What's Next?</i> Chinese III Honors	Chinese II continues to develop the oral skills with added emphasis on reading and writing skills. Expansion of vocabulary and grammatical structures continues. Culturally related activities of selected Chinese speaking countries or regions will be explored. The expected outcome of this course is developing novice high – intermediate low proficiency. This course is conducted in Chinese a significant amount of time. NOTE: Chinese III H is NOT offered at the High School (9th and 10th grade) campuses.
503631 Chinese III Honors Grade Placement: 11 – 12 Prerequisite: Chinese II Credit: 1	Chinese III Honors continues to develop the oral and writing skills with added emphasis on reading and increased emphasis on Advanced Placement exam preparation. Expansion of vocabulary and grammatical structures continues. Culturally-related activities of selected Chinese regions will be explored. The expected outcome of the course is developing intermediate low – intermediate mid proficiency. This course is conducted predominately in Chinese. NOTE: Chinese III H is NOT offered on High School (9th and 10th grade) campuses.
504651 AP Chinese IV Grade Placement: 11 – 12 Prerequisite: Chinese III or Chinese III Honors Credit: 1	AP Chinese IV prepares students to demonstrate intermediate mid-high proficiency across the full range of language skills within a cultural frame of reference. The course will develop reading proficiency of authentic texts, fiction and non-fiction, listening proficiency of formal and colloquial authentic language, and writing proficiency in descriptive, expository, and persuasive styles. This course utilizes critical thinking, reading, and writing skills. The expected outcome of this course is developing intermediate mid – intermediate high proficiency and to prepare students for success on the AP Chinese Language and Culture exam. This course is conducted predominately in Chinese.
501101 French I Grade Placement: 9 – 10 Prerequisite: None Credit: 1 <i>What's Next?</i> French II	French I is an introduction to the French language and culture. Students in this course will develop speaking, writing, and reading proficiency on topics dealing with the everyday life of a student. Students will be guided in recognizing the interrelationships between cultures and will be able to identify cultural perspectives and practices of the Francophone world. The expected outcome of this course is developing novice mid – novice high proficiency. This course is conducted in French a significant amount of time.
502101 French II Grade Placement: 9 – 12 Prerequisite: French I Credit: 1 <i>What's Next?</i> French III Honors	French II continues to introduce students to French language and culture. Students in this course will develop speaking, writing, and reading proficiency on topics expanded to include life outside of school and in the real world. Students will be guided in recognizing the interrelationships between cultures and will be able to identify cultural perspectives and practices of the Francophone world. The expected outcome of this course is developing novice high – intermediate low proficiency. This course is conducted in French a significant amount of time.

503131 French III Honors

Grade Placement: 10 – 12

Prerequisite: French I and II

Credit: 1

What's Next? AP French IV

French III Honors introduces students to content-based thematic learning. Students in this course will continue to develop speaking, writing, and reading proficiency as they work with real-life issues, topics, and concerns in specific contexts. Use of applicable resources will allow local and global cultural perspectives within each context. Students in this course will be supported as they expand their vocabulary and increase the complexity of their products by owning their own learning, implementing personal and self-selected vocabulary, and demonstrating an ability to respond to tasks requiring high cognition and creative thinking. The expected outcome of this course is developing intermediate low – intermediate mid proficiency. **This course is conducted predominately in French.**

504151 AP French IV

Grade Placement: 11 – 12

Prerequisite: French I, II and III

Credit: 1

AP French IV prepares students to demonstrate intermediate mid-high proficiency across the full range of language skills within a cultural frame of reference. Students will be expected to demonstrate an understanding of the target culture, incorporate interdisciplinary topics, make cultural comparisons, and communicate in a variety of settings. Using current events, global viewpoints and cultural literature, integrated resources, and content-based instruction, students will develop an increased awareness in the products, practices, and perspectives of the Francophone world. The expected outcome of this course is developing intermediate mid – intermediate high proficiency and to prepare students for success on the AP French Language and Culture Exam. **This course is conducted in French.**

505131 French V Honors

Grade Placement: 12

Prerequisite: French I, II, III and IV

Credit: 1

French V Honors prepares students to demonstrate Intermediate high-advanced proficiency across the full range of language skills within a cultural frame of reference. Students will be expected to demonstrate an understanding of the target culture, incorporate interdisciplinary topics, make cultural comparisons, and communicate in a variety of settings. Using current events, global viewpoints and cultural literature, integrated resources, and content-based instruction, students will develop an increased awareness in the products, practices, and perspectives of the Francophone world. The expected outcome of this course is developing Intermediate high - advanced mid proficiency and to prepare students for success on the AP French Language and Culture Exam. **This course is conducted in French.**

501201 German I

Grade Placement: 9 – 10

Prerequisite: None

Credit: 1

What's Next? German II

German I is an introduction to German language and culture. Students in this course will develop speaking, writing, and reading proficiency on topics dealing with the everyday life of a student. Students will be guided in recognizing the interrelationships of between cultures and will be able to identify cultural perspectives and practices of the German speaking world. The expected outcome of this course is developing novice mid – novice high proficiency. **This course is conducted in German a significant amount of time.**

502201 German II

Grade Placement: 9 – 12

Prerequisite: German I

Credit: 1

What's Next? German III Honors

German II continues to introduce students to German language and culture. Students in this course will develop speaking, writing, and reading proficiency on topics expanded to include life outside of school and in the real world. Students will be guided in recognizing the interrelationships of between cultures and will be able to identify cultural perspectives and practices of the German speaking world. The expected outcome of this course is developing novice high – intermediate low proficiency. **This course is conducted in German a significant amount of time. NOTE: German III H is not offered on High School (9th and 10th grade) campuses.**

503231 German III Honors

Grade Placement: 11 – 12

Prerequisite: German I and German II

Credit: 1

What's Next? AP German IV

German III Honors introduces students to content-based thematic learning. Students in this course will continue to develop speaking, writing, and reading proficiency as they work with real-life issues, topics, and concerns in specific contexts. Use of applicable resources will allow local and global cultural perspectives within each context. Students in this course will be supported as they expand their vocabulary and increase the complexity of their products by owning their own learning, implementing personal and self-selected vocabulary, and demonstrating an ability to respond to tasks requiring high cognition and creative thinking. The expected outcome of this course is developing intermediate low – intermediate mid proficiency. **This course is conducted predominantly in German. NOTE: German III H is not offered on High School (9th and 10th grade) campuses.**

504251 AP German IV

Grade Placement: 12

Prerequisite: German I, II and III

Credit: 1

AP German IV prepares students to demonstrate intermediate mid-high proficiency across the full range of language skills within a cultural frame of reference. Students will be expected to demonstrate an understanding of the target culture, incorporate interdisciplinary topics, make cultural comparisons, and communicate in a variety of settings. Using current events, global viewpoints and cultural literature, integrated resources, and content-based instruction, students will develop an increased awareness in the products, practices, and perspectives of the German speaking world. The expected outcome of this course is developing intermediate mid – intermediate high proficiency and to prepare students for success on the AP German Language and Culture Exam. **This course is conducted in German.**

501401 Spanish I

Grade Placement: 9 – 12

Prerequisite: None

Credit: 1

What's Next? Spanish II

Spanish I is an introduction to Spanish language and culture. Students in this course will develop speaking, writing, and reading proficiency on topics dealing with the everyday life of a student. Students will be guided in recognizing the interrelationships of between cultures and will be able to identify cultural perspectives and practices of the Spanish speaking world. The focus of this course is developing novice mid - novice high proficiency. **This course is conducted in Spanish a significant amount of time.**

502401 Spanish II

Grade Placement: 9 – 12

Prerequisite: Spanish I

Credit: 1

What's Next? Spanish III or Spanish III Honors

Spanish II continues to introduce students to Spanish language and culture. Students in this course will develop speaking, writing, and reading proficiency on topics expanded to include life outside of school and in the real world. Students will be guided in recognizing the interrelationships of between cultures and will be able to identify cultural perspectives and practices of the Spanish speaking world. The focus of this course is developing novice high – intermediate low proficiency. **This course is conducted in Spanish a significant amount of time.**

503401 Spanish III

Grade Placement: 10 – 12

Prerequisite: Spanish II

Credit: 1

What's Next? Spanish IV or AP Spanish IV

Spanish III introduces students to content-based thematic learning. Students in this course will continue to develop speaking, writing, and reading proficiency as they work with real-life issues, topics, and concerns in specific contexts. Use of applicable resources will allow local and global cultural perspectives within each context. Students in this course will be supported as they expand their vocabulary and increase the complexity of their products by owning their own learning, implementing personal and self-selected vocabulary, and demonstrating an ability to respond to tasks requiring high cognition and creative thinking. The expected outcome of this course is developing intermediate low - intermediate mid proficiency. **This course is conducted predominantly in Spanish.**

503431 Spanish III Honors

Grade Placement: 10 – 12

Prerequisite: Spanish I and II

Credit: 1

What's Next? Spanish IV or AP Spanish IV

Spanish III Honors introduces students to content-based thematic learning. Students in this course will continue to develop speaking, writing, and reading proficiency as they work with real-life issues, topics, and concerns in specific contexts. Use of applicable resources will allow local and global cultural perspectives within each context. Students in this course will be expected to expand their vocabulary and increase the complexity of their products by owning their own learning, implementing personal and self-selected vocabulary, and demonstrating an ability to respond to tasks requiring high cognition and creative thinking. The expected outcome of this course is developing intermediate low-mid proficiency. **This course is conducted predominantly in Spanish.**

504401 Spanish IV

Grade Placement: 11 – 12

Prerequisite: Spanish III or Spanish III Honors

Credit: 1

What's next? AP Spanish V

Spanish IV continues content-based thematic learning. Students in this course will continue to develop speaking, writing, and reading proficiency as they work with real-life issues, topics, and concerns in specific contexts. Students in this course will be supported as they expand their vocabulary and increase the complexity of their products by owning their own learning, implementing personal and self-selected vocabulary, and demonstrating an ability to respond to tasks requiring high cognition and creative thinking. The expected outcome of this course is developing intermediate mid – intermediate high proficiency. **This course is conducted predominantly in Spanish.**

504451 AP Spanish IV

Grade Placement: 11 – 12

Prerequisite: Spanish III or Spanish III Honors

Credit: 1

What's next? AP Spanish V

AP Spanish IV prepares students to demonstrate intermediate mid-high proficiency across the full range of language skills within a cultural frame of reference. Students will be expected to demonstrate an understanding of the target culture, incorporate interdisciplinary topics, make cultural comparisons, and communicate in a variety of settings. Using current events, global viewpoints and cultural literature, integrated resources, and content-based instruction, students will develop an increased awareness in the products, practices, and perspectives of the Spanish speaking world. The expected outcome of this course is developing intermediate mid – intermediate high proficiency and to prepare students for success on the AP Spanish Language and Culture Exam. **This course is conducted in Spanish.**

505451 AP Spanish V

Grade Placement: 12

Prerequisite: Spanish IV or AP Spanish IV

Credit: 1

AP Spanish V is designed to provide students with an introduction to Peninsular and Latin American literature. Students will be expected to focus on literary, poetry, and text analysis, and be able to explicate diverse genres of literature as well as wide variety types of discourse. The expanded timeline will enable students to trace the history of Spanish prose from Don Juan Manuel to modern times. The expected outcome of this course is developing intermediate high - advanced mid proficiency and to prepare students for success on the AP Spanish Literature Exam. **This course is conducted in Spanish.**

MATHEMATICS

To find out more about the Mathematics Texas Essential Knowledge and Skills (TEKS) click [here](#).

Plano ISD Course No.	Subject	Grade	Credits
152001	Algebra I	9 – 10	1
152171	Algebra I (eSchool) (see pg. 20 for information)	9 – 10	.5 - 1
152031	Algebra I Honors	9	1
153001	Geometry	9 – 11	1
153171	Geometry (eSchool) (see pg. 20 for information)	9 – 11	.5 - 1
153031	Geometry Honors	9 – 10	1
154001	Algebra II	10 – 12	1
154051	Algebra II (eSchool) (see pg. 20 for information)	10 – 12	.5 - 1
154031	Algebra II Honors	10 – 12	1
153501	Mathematical Models with Applications	11 – 12	1
157001	Advanced Quantitative Reasoning	11 – 12	1
155001	Pre-Calculus	11 – 12	1
155171	Pre-Calculus (eSchool) (see pg. 20 for information)	11 – 12	1
155031	Pre-Calculus Honors	10 – 12	1
155131	Pre-Calculus Dual Credit (see pg. 11 for information)	10 – 12	1
158001	Statistics	11 – 12	1
158131	Statistics Dual Credit (see pg. 11 for information)	11 – 12	1
158051	AP Statistics	11 – 12	1
159151	AP Calculus – AB	11 – 12	1
159251	AP Calculus – BC	11 – 12	1
159301	Multivariable Calculus Dual Credit (see pg. 11 for information)	11 – 12	1
401051	AP Computer Science A	11 – 12	1
556351	Digital Electronics (PLTW)	11 – 12	1

If students choose to accelerate beyond the course offerings for a campus, please note that transportation is not provided and scheduling solutions are not guaranteed.

152001 Algebra I Grade Placement: 9 – 10 Prerequisite: Eighth grade mathematics (for ninth grade students) Credit: 1 <i>What's Next?</i> Geometry	In grades k-8, algebraic reasoning is just one of many mathematical strands studied by students. In this Algebra I course students build on that prior learning with a more focused study of algebraic patterns and representations. This course develops students' ability to think algebraically and reason symbolically. The primary focal points in Algebra I include the study of linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will use a variety of representations (concrete, pictorial, numerical, symbolic, graphical, and verbal), tools, and technology to model mathematical situations to solve meaningful problems.
152031 Algebra I Honors Grade Placement: 9 Prerequisite: Eighth grade mathematics (for ninth grade students), teacher recommendation suggested Credit: 1 <i>What's Next?</i> Geometry or Geometry Honors	The honors Algebra I course enriches student learning within Algebra I to explore functional relationships more deeply. In addition to the coursework listed above, students study connections between algebraic reasoning and other strands of mathematics.
153001 Geometry Grade Placement: 9 – 11 Prerequisite: Algebra I Credit: 1 <i>What's Next?</i> Math Models or Algebra II	Through elementary and middle school, students explored shapes and measurement related to geometric relationships. In this Geometry course students extend their previous studies to develop more formal arguments and proofs around geometric properties and relationships. Students learn how to communicate about observed relationships in geometric contexts. Explorations include coordinate and transformational geometry, logical arguments and constructions, proof and congruence, figures and their properties, similarity, trigonometry, and probability. Students will use tools to acquire and demonstrate new understandings.
153031 Geometry Honors Grade Placement: 9 – 10 Prerequisite: Algebra I or Algebra I Honors Credit: 1 <i>What's Next?</i> Algebra II or Algebra II Honors	This course includes a more challenging and rigorous study of geometric thinking, symbolic reasoning, and properties of figures. Students in this course will further explore relationships between geometry and other areas of mathematics.
154001 Algebra II Grade Placement: 10 – 12 Prerequisite: Algebra I and Geometry, or concurrently enrolled in Geometry Credit: 1 <i>What's Next?</i> Pre-Calculus	In this course students build on their knowledge from Algebra I to broaden their understanding of functions and extend previous work with systems of equations and inequalities. In previous coursework, students have only worked with three main function families: linear, quadratic and exponential. Algebra II expands on these three functions and broadens students' exploration of patterns with the study of additional functional relationships, including logarithmic, square root, cubic, absolute value, and rational functions. Students will study transformations and inverses of these functions, as well as using the functions in data analysis.
154031 Algebra II Honors Grade Placement: 10 – 12 Prerequisite: Algebra I or Algebra I Honors, and Geometry or Geometry Honors, or concurrent enrollment in Geometry Honors Credit: 1 <i>What's Next?</i> Pre-Calculus or Pre-Calculus Honors	This course includes a more challenging and rigorous study of algebraic thinking and symbolic reasoning, as well as extensions of the topics listed in the above description. Students use multiple representations and precise mathematical language to describe patterns, solve problems, and justify their reasoning.

153501 Mathematical Models with Applications	Mathematical modeling is a process that uses mathematics to represent situations, analyze relationships, and make predictions. This course is designed to provide students with a better understanding of mathematics, building on their prior knowledge, and create a path to success in Algebra II. Students learn to apply mathematics to areas such as personal finance, engineering, fine arts, and social sciences. Real-life application problems are solved and modeled using a variety of algebraic tools and technology.
Grade Placement: 11 – 12 Prerequisite: Algebra I and Geometry Credit: 1 <i>What's Next?</i> Algebra II	
157001 Advanced Quantitative Reasoning	Advanced Quantitative Reasoning (AQR) is a capstone mathematics course that follows Algebra I, Geometry, and Algebra II. It builds on and extends students' prior learning across many math strands, and covers other mathematics topics not typically taught in high school. AQR also helps students develop college and career skills such as collaborating, conducting research, and making presentations.
Grade Placement: 11-12 Prerequisite: Algebra II and Geometry Credit: 1 <i>What's Next?</i> Pre-Calculus	
155001 Pre-Calculus	This course deepens students' mathematical understanding and fluency with algebra and trigonometry, and extends their ability to make connections and apply concepts and procedures at higher levels. This is done through a study of numerous functional relationships, including polynomial, rational, power (including radical), exponential, logarithmic, trigonometric, and piecewise-defined functions. Students analyze the characteristics and behaviors of these functions. Topics also include conic sections, their properties, and parametric representations; sequences and series; and using vectors to model physical situations. Pre-Calculus is designed to prepare students for the study of calculus, whether taken in high school or at the college setting.
Grade Placement: 11 – 12 Prerequisite: Algebra II and Geometry Credit: 1 <i>What's Next?</i> AP Calculus AB, AP Statistics	
155031 Pre-Calculus Honors	This course includes a more challenging and rigorous study of the relationships described above. Students deepen their ability to make connections and apply procedures at higher levels. Additional topics in this course lead to AP Calculus.
Grade Placement: 10 – 12 Prerequisite: Algebra II or Algebra II Honors and Geometry or Geometry Honors Credit: 1 <i>What's Next?</i> AP Calculus BC, AP Statistics	
158001 Statistics	Statistics allows students to build upon and apply their critical thinking skills through the analysis of data and data patterns. In this course students take a step away from previous math coursework focused on functional relationships (Algebra I, Algebra II) to broaden their understanding of data analysis and variability. However, students apply algebraic reasoning developed in earlier courses to make sense of statistical processes. Students will become statisticians through the study of sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. This Statistics course lays a strong foundation for students no matter what studies they wish to pursue, whether the sciences or the arts.
Grade Placement: 11 – 12 Prerequisite: Algebra I required, Algebra II strongly recommended Credit: 1	

158051 AP Statistics Grade Placement: 11 – 12 Prerequisite: Pre-Calculus or concurrent enrollment in Pre-Calculus Credit: 1	AP Statistics is built around four main topics: exploring data, planning a study, understanding probability theory, and acquiring critical inferential reasoning skills. Students will actively participate in both short and long-term projects. This course prepares the student to take the Advanced Placement (AP) Statistics exam.
159151 AP Calculus AB 159251 AP Calculus BC Grade Placement: 11 - 12 Prerequisite: Pre-Calculus or Pre-Calculus Honors Credit: 1	<u>AP Calculus AB:</u> This course is the study of elementary functions; limit of a function; derivative; integral and techniques of integration; and applications of calculus to real-world problems in the fields of life science, business and economics, social science, physics, and engineering. <u>Students who have already received credit for AP Calculus AB who enroll in AP Calculus BC will only receive local credit for 1st semester of the course.</u>
	<u>AP Calculus BC:</u> Calculus BC represents one semester beyond Calculus AB. It covers all the topics in Calculus AB, but is more extensive. Students cover the additional topics of vector functions, polar coordinates, and Epsilon-delta proofs. Each course prepares the student to take the corresponding Advanced Placement exam.
159301 Multivariable Calculus Grade Placement: 11 – 12 Prerequisite: AP Calculus BC with a score of 4 or greater on the AP exam Credits: 1 (elective credit)	This full year dual credit course takes students through two college level mathematics courses: Calculus 3 (Math 2415) is taught during first semester, and Differential Equations (Math 2320) is taught during second semester. Upon completion of both courses, students will earn 7 hours of college credit through Collin College. This Multivariable Calculus course takes the concepts learned in the single variable calculus course and extends them to multiple dimensions. First semester students will learn advanced topics in calculus, including vectors and vector-valued functions, partial differentiation, Lagrange multipliers, multiple integrals, and Jacobians; application of the line integral, including Green's Theorem, the Divergence Theorem, and Stokes' Theorem. Second semester students will study ordinary differential equations and the application of differential equations to real-world problems.
401051 AP Computer Science A Grade Placement: 11 - 12 Prerequisite: Algebra II or concurrent enrollment in Algebra II Credits: 2 (Note: 1 of 2 credits count toward GPA) <i>What's next?</i> Computer Science III Honors	This course serves as an introduction to computers and the study of managing and processing information. Students apply algebraic and logical reasoning acquired in mathematics to develop robust programming solutions. The emphasis is on solving real world problems by means of computer programming (software engineering). Students will thoroughly learn the Java programming language and apply those skills in exploring how computers work. Some topics covered include object-oriented techniques, file management, data structures, classes, objects, graphics, debugging, hardware components, and social implications. This course prepares students to take the Advanced Placement Computer Science A exam to possibly earn college credit. Successful completion of both semesters of this course will satisfy a mathematics credit in the student's graduation plan if a 4th math credit is needed.

**556351 Digital Electronics
(PLTW)**

Grade Placement: 11 – 12

Prerequisite: Algebra I and Geometry is required. Successful completion of PLTW Introduction to Engineering Design (IED) or Engineering Science (POE) is required. Engineering Science (POE) is recommended.

Credit: 1 (math credit)

Digital Electronics is the study of electronic circuits that are used to process and control digital signals. In contrast to analog electronics, where information is represented by a continuously varying voltage, digital signals are represented by two discrete voltages or logic levels. This distinction allows for greater signal speed and storage capabilities and has revolutionized the world of electronics. Digital electronics is the foundation of modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras, and high-definition televisions. The primary focus of Digital Electronics is to expose students to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation. **Successful completion of both semesters of this course will receive math credit.** This is a Distinguished Level course ([beginning with the graduating class of 2023^o](#)).

MISCELLANEOUS COURSES

Plano ISD Course No.	Subject	Grade	Credits
951501	Mapping for Academic and Personal Success (MAPS)	9 – 10	.5 – 1
951551	AP Capstone: AP Seminar	11 – 12	1
951601	AVID I	9	1
951701	AVID II	10	1
951801	AVID III	11	1
951901	AVID IV	12	1
952691	Library Aide*	10, 12	0
952791	Office Aide*	10, 12	0
952301	Student Senate (Government & Leadership)	11 – 12	.5 – 1
952391	Student Senate* (year 2)	11 – 12	0
952501	(PAL) Peer Assistance and Leadership	10, 12	1
952503	(PAL) Peer Assistance and Leadership (year 2)	12	1
952491	Academic Decathlon*	11 – 12	0
952601	Peer Assistance for Students with Disabilities	9 – 12	.5 – 2

* These courses receive **no state credit** and grades **are not** calculated in the Grade Point Average (GPA).

951501 Mapping for Academic and Personal Success (MAPS)

Grade Placement: 9 – 10

Prerequisite: None

Credit: .5 – 1

The course focuses on the skills and strategies necessary for students to make a successful transition into high school and an academic career. Students will explore the options available in high school, higher education, and the professional world in order to establish both immediate and long-range personal goals. After identifying their individual learning styles and abilities, students will build on these abilities by developing critical time management, organization and study skills. The course focuses on self-understanding, decision-making, resiliency, attitude, character education, and leadership to help students maximize personal achievement. It emphasizes proactive problem solving, self-determination, and independent thinking and learning skills. In addition, students will explore and experience collaboration as a tool for creative problem solving. As part of the goal setting and leadership activities, students may complete an outside community service learning experience in addition to class assignments.

951551 AP Capstone: AP Seminar Grade Placement: 11 - 12 Prerequisite: None Credit: 1 <i>What's next?</i> Capstone: AP Research	AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. This course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. Students develop and apply discrete skills identified in the learning of the enduring understandings within the following five big ideas: question and explore; understand and analyze; evaluate multiple perspectives; synthesize ideas; and team, transform, and transmit.
951601 AVID I Grade Placement: 9 Prerequisite: Recommendation, Application, Interview Required Credit: 1 – 1.5	The AVID course is designed to prepare students for success in postsecondary education. This is the beginning-level course which, when combined with AVID 2, 3 and 4, will provide support and skill development in areas specifically aligned with success in rigorous courses in the foundation content areas and in preparing students for success in college. A recommendation, application and interview are required. Students must be accepted into the AVID program. Successful completion of one year of AVID will also satisfy the speech requirement for graduation.
951701 AVID II Grade Placement: 10 Prerequisite: AVID I or Recommendation, Application, Interview Required Credit: 1	The AVID course is designed to prepare students for success in postsecondary education. This course will provide support and skill development in areas specifically aligned with success in rigorous courses and in preparing students for success in college. A recommendation, application and interview are required. Students must be accepted into the AVID program. Successful completion of one year of AVID will also satisfy the speech requirement for graduation.
951801 AVID III Grade Placement: 11 Prerequisite: AVID II Credit: 1	
951901 AVID IV Grade Placement: 12 Prerequisite: AVID III Credit: 1	
952691 Library Aide (NO STATE CREDIT, NO GPA) Grade Placement: 10, 12 Prerequisite: Interview/selection Credit: 0	Students will receive experiences in various aspects of the operation of the library. A student may be an aide for a maximum of 2 semesters in four years.
952791 Office Aide (NO STATE CREDIT, NO GPA) Grade Placement: 10, 12 Prerequisite: Interview/selection Credit: 0	Students will receive experience in various campus offices or counselors' offices. A student may be an aide for a maximum of 2 semesters in four years.

952301	Student Senate (Government & Leadership)	This course is designed to help students gain knowledge of leadership skills and an understanding of parliamentary procedure. A weekly agenda is followed during which these skills are practiced in planning and making decisions concerning numerous social and service activities organized by this governing body. The class is composed of twelve seniors and twelve junior representatives who are elected to serve from their respective Student Councils. Students can only earn 1 credit in 2 years.
952391	Student Senate (Year 2 - NO STATE CREDIT, NO GPA)	
Grade Placement: 11 – 12 Prerequisite: Student body election Credit: 952301: .5 – 1 952391: 0		
952501	(PAL) Peer Assistance and Leadership	This course provides selected students an opportunity to work in a helping role with students on their own campus and/or with students from feeder middle schools and elementary schools, in order to facilitate a more positive school experience and more informed and responsible decision-making. PAL students will receive training in areas such as communication and listening skills, tutoring, group dynamics and other means of helping younger students deal with issue of concern to them.
952503	(PAL) Peer Assistance and Leadership (Year 2)	
Grade Placement: 10, 12 Prerequisite: Application and Interview Credit: 1		
952491	Academic Decathlon (NO STATE CREDIT, NO GPA)	Academic Decathlon is a national inter-school scholastic competition that addresses ten academic areas. The competition encourages students to develop a respect for knowledge and an interest in various academic areas of study. The United States Academic Decathlon format includes students from all academic backgrounds. The competing team consists of nine members; three students whose grade point average falls into the “C” or Varsity category, three in the “B” or Scholastic category, and three in the “A” or Honors category. Academic Decathlon Class – If possible, Academic Decathlon coaches and counselors work with students to arrange class schedules to allow participation. Other arrangements are handled on a per campus basis. Students may be enrolled in this course for 2 years.
Grade Placement: 11 – 12 Prerequisite: Approval of instructor Credits: 0		
952601	Peer Assistance for Students with Disabilities	This course provides peer assistants the opportunity to develop leadership and communication skills while promoting an inclusive educational environment for special education students. Peer assistants obtain initial training in confidentiality, cueing, prompting, and positive reinforcement upon enrollment in the course and mini sessions throughout the semester. Peer assistants assist the teacher in the general education or special education classroom setting by modeling appropriate learning behaviors, assisting with hands-on learning activities and developing activities to facilitate inclusion in the classroom. The goal is to create a relationship among age appropriate peers of differing abilities, both socially and academically
Grade Placement: 9 – 12 Prerequisite: Interview/selection Credit: .5 - 2		

PHYSICAL EDUCATION

Up to 4 credits of Physical Education or Athletics may be earned toward the total number of credits for graduation. To find out more about the Physical Education Texas Essential Knowledge and Skills (TEKS) click [here](#).

SEE YOUR SCHOOL COUNSELOR FOR CLARIFICATION REGARDING CREDITS.

Plano ISD Course No.	Subject	Grade	Credits
301101	Foundations of Personal Fitness	9 – 12	.5 – 1
301171	Foundations of Personal Fitness 2 (eSchool) (see pg. 20 for information)	9 – 12	.5 – 1
302401	Adventure / Outdoor Education	9 – 12	.5 – 1
302201	Aerobic Activities	9 – 12	.5 – 1
30250B	Team Sports	9 – 12	.5
30260B	Individual Sports	9 – 12	.5
302901	Weight Training (Team or Individual Sports)	11 – 12	.5 – 1
Campus #	Partners Physical Education	9 – 12	.5 – 4
302301	Aerobic Activities (STEP)	9 – 12	.5 – 1
95265B	Team Sport Officiating	9 – 12	.5

High School Physical Education

In physical education, students acquire the knowledge and skills for movement that provide the foundation for enjoyment, continued social development through physical activity, and access to a physically active lifestyle. The student exhibits a physically active lifestyle and understands the relationship between physical activity and health through the lifespan.

Physical Fitness Assessment

Each student identified by the Texas Education Agency will participate in an annual physical fitness assessment. The Fitnessgram assessment instrument will contain criterion-referenced standards specific to a student's age and gender based on the physical fitness level required for good health. Good health components will include an aerobic capacity, body composition, muscular strength, muscular endurance and a flexibility assessment.

301101 Foundations of Personal Fitness

Grade Placement: 9 – 12
Prerequisite: None
Credit: .5 – 1

The purpose of Foundations of Personal Fitness is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness. This course consists of a classroom and fitness based curriculum, which includes a classroom and physical activity approach. Knowledge and skills taught in this course include teaching students about the process of becoming fit as well as achieving some degree of fitness within the class. Students will design their own personal fitness program as one of the objectives of the class. Students enrolled in Foundations of Personal Fitness could experience activity levels of moderate to high intensity.

302401 Adventure/Outdoor Education

Grade Placement: 9 – 12

Prerequisite: None

Credit: .5 – 1

Students, enrolled in adventure/outdoor education, are expected to develop competency in Adventure/Outdoor Education activities that provide opportunities for enjoyment and challenge. Emphasis is placed upon student selection of activities that also promote a respect for the environment and that can be enjoyed for a lifetime.

Adventure/Outdoor Education includes activities such as archery, backpacking, camping, cycling, hiking, fishing, martial arts, orienteering, rollerblading, or new games. Knowledge of The National Parks Association, Endangered Species Information, Boating Safety and Hunting Safety are a part of the curriculum. Recreational pursuits include field experiences, navigation, water recreation, and recreational shooting.

302201 Aerobic Activities

Grade Placement: 9 – 12

Prerequisite: None

Credit: .5 – 1

Students enrolled in Aerobic Activities are exposed to a variety of activities that promote health-related fitness. A major expectation of this course is for the student to design a personal fitness program that uses aerobic activities as a foundation.

Aerobic Activities include activities such as aerobic activity, circuit training, jogging, jump rope, new games, power walking, yoga, and weight training. Students enrolled in Aerobic Activities could experience activity levels of moderate to high intensity.

30250B Team Sports

Grade Placement: 9 – 12

Prerequisite: None

Credit: .5

Students enrolled in Team Sports are expected to develop health-related fitness and an appreciation for teamwork and fair play. Students will have the opportunity to participate in and develop more advanced skills in team sports.

Team sports include activities such as basketball, field hockey, flag football, floor hockey, kickball, lacrosse, new games as developed, soccer, softball, team handball, Ultimate Frisbee and volleyball. Students enrolled in Team Sports could experience activity levels of moderate to high intensity.

30260B Individual Sports

Grade Placement: 9 – 12

Prerequisite: None

Credit: .5

Students enrolled in Individual Sports are expected to participate in a wide range of individual sports that can be pursued for a lifetime. The continued development of health-related fitness and the selection of Individual sport activities that are enjoyable is a major objective of this course. Students will have the opportunity to participate in and develop more advanced skills in individual sports.

Individual Sports include activities such as archery, badminton, bicycling, bowling, golf, handball, new games as developed, pickle ball, self-defense, table tennis, tennis, track and field, and weight training. Students enrolled in Individual Sports could experience activity levels of moderate to high intensity.

302901 Weight Training (Team or Individual Sports)	Students enrolled in this course will be taught correct lifting form. Students will establish a personal program to include circuit training and/or individualized training programs. Aerobic fitness training will be incorporated into the course.
Grade Placement: 11 – 12 Prerequisite: None Credit: .5 – 1	Students enrolled in Weight Training could experience activity levels of moderate to high intensity.
Students enrolled in Weight Training could earn a 0.5 credit of Team Sports and/or a 0.5 credit of Individual Sports. *Students who have already earned credit in Team Sports and/or Individual Sports will receive no credit for Weight Training.	
Campus # Partners Physical Education	Students enrolled in this course assist Special Education Services students in a variety of physical education activities. Students enrolled in this course will be working with special needs students.
Grade Placement: 9 – 12 Prerequisite: Recommendation and approval of counselor Credit: .5 – 4	
302301 Aerobic Activities (STEP)	This course is designed to create and produce dance and step rhythmic movements that embody the history of African dance. Students will develop a personal fitness program that uses aerobic activities as a foundation. Students enrolled in this course could experience activity levels of moderate to high intensity. Students enrolled in STEP could earn up to 2 semesters of Aerobic Activities credit. This course may include performances at pep rallies and some sports events. Other performances may include some district performances/activities.
Grade Placement: 9 – 12 Prerequisite: None Credit: .5 – 1	
95265B Team Sport Officiating	Students enrolled in the Team Sport Officiating Course will learn rules and regulations of selected team sports. While working with coaches, players, other officials and parents, students will develop skills in the area of communication, decision-making, and conflict management needed to officiate team sport competitions. Students will develop a personal fitness and injury prevention plan that directly relates to the needs of an official. Students will understand and apply time management skills required and recognize legal rights and responsibilities of an official involved with youth sports in the 21st century. Cardiopulmonary resuscitation (CPR), use of an automated external defibrillator (AED) and basic first aid skills will be taught in class. Students will be certified in CPR/AED first aid and receive an officiating certificate upon successful completion of course. Students may take this course in conjunction with a physical education course or an equivalent. <u>This course does not meet the state requirement for PE credit.</u>
Grade Placement: 9 – 12 Prerequisite: None Credit: .5 (elective credit)	

READING

To find out more about the Reading Texas Essential Knowledge and Skills (TEKS) click [here](#).

Plano ISD Course No.	Subject	Grade	Credits
105101	Academic Literacy I	9 – 12	1
105201	Academic Literacy II	10 – 12	1
105301	Academic Literacy III	11 – 12	1
10320B	College Reading Applications	10 – 12	.5

105101 Academic Literacy I

Grade Placement: 9 – 12

Prerequisite: None

Credit: 1

This year course is designed for students who need literacy strategies and skills in order to ensure success in high school and beyond. Academic Literacy I involves practicing literacy strategies for students to build success and become proficient in the areas of word analysis, vocabulary, reading fluency, written response, and critical thinking, therefore, preparing students for college readiness and/or post-secondary success. Students who fail to meet satisfactory on 8th Grade STAAR Reading or fall below district criteria are required to take this course.

105201 Academic Literacy II

Grade Placement: 10 – 12

Prerequisite: None

Credit: 1

This second year course for literacy strategies is designed for students who need an additional year in focused literacy to ensure success in high school and beyond. Academic Literacy II focuses on helping students grow into critical thinkers/readers and develop diverse levels of literacy for college readiness and/or post-secondary success. Students who fail to meet satisfactory on STAAR/EOC or fall below district criteria are required to take this course.

105301 Academic Literacy III

Grade Placement: 11 – 12

Prerequisite: None

Credit: 1

This third year course for literacy strategies is designed for students who need literacy strategies/skills to ensure passing state standards as well as success beyond high school. Academic Literacy III emphasizes reading, writing, and critical inquiry to further develop academic literacy for college readiness and/or post-secondary success. Students who fail to meet satisfactory on EOC, fall below district criteria, or need focused literacy skills should take this course.

10320B College Reading Applications

Grade Placement: 10 – 12

Prerequisite: None

Credit: .5

College Reading Applications expands students' command of college-level reading/writing and discourse skills, expounds college-bound readers' vocabulary growth, and increases critical reading/thinking skills. Students will have access to SAT practice materials.

SCIENCE

To find out more about the Science Texas Essential Knowledge and Skills (TEKS) click [here](#).

Those science courses, which offer dissection as a means of instruction, will provide alternative assignments for those students and parents who have justifiable objections to dissection.

Plano ISD Course No.	Subject	Grade	Credits
201001	Integrated Physics and Chemistry (IPC)	9 – 10	1
204001	Biology	9 – 12	1
204031	Biology Honors	9 – 10	1
204231	Biology Dual Credit (see pgs. 11 & *85 for information)	12	1
204101	Anatomy and Physiology	11 – 12	1
204151	AP Biology (1 AP Biology; 1 Advanced Biology Lab)	11 – 12	2
205001	Chemistry	10 – 12	1
205051	Chemistry (eSchool) (see pg. 20 for information)	10 – 12	.5 - 1
205031	Chemistry Honors	10 – 12	1
205151	AP Chemistry (1 AP Chemistry; 1 Advanced Chemistry Lab)	11 – 12	2
206001	Physics	11 – 12	1
206171	Physics (eSchool) (see pg. 20 for information)	11 – 12	.5 - 1
206031	Physics Honors	11 – 12	1
20615B	AP Physics 1	12	1
20625B	AP Physics 2	12	1
20635B	AP Physics C Mechanics	12	1
20645B	AP Physics C Electricity and Magnetism	12	1
206501	Engineering Design and Problem Solving	12	1
208201	Environmental Systems	11 – 12	1
208251	AP Environmental Science	11 – 12	1
207501	Earth and Space Science	11 – 12	1
208001	Honors Scientific Research and Design	10 – 12	1 – 3
552251	Food Science	11 – 12	1
555401	Forensic Science	12	1
556201	Engineering Science (PLTW)	10 – 12	1

201001 Integrated Physics and Chemistry (IPC)	IPC integrates the disciplines of physics and chemistry in topics such as: motion, waves, energy, transformations, properties of matter, changes in matter, and solution chemistry. Laboratory investigation will be a primary focus in instruction. Student investigations emphasize accurate observations, collection of data, data analysis, and the safe manipulation of laboratory apparatus and materials in the laboratory. This course must be taken prior to chemistry or physics.
Grade Placement: 9 – 10 Prerequisite: None Credit: 1 <i>What's Next?</i> 3rd science choice	
204001 Biology (first year)	Biology is the study of the structure, growth, and function of the life systems. This study will encompass historical contributions to biological concepts; energy production, transfer, and use in living systems; and the relationships of organisms with each other and with their environments. Student investigations emphasize accurate observations, collection of data, data analysis, and the safe manipulation of laboratory apparatus and materials in the field and the laboratory.
Grade Placement: 9 – 12 Prerequisite: None Credit: 1 <i>What's Next?</i> Integrated Physics and Chemistry (IPC) or Chemistry	
204031 Biology Honors (first year)	The Biology Honors course offers students an in-depth study and observation of living organisms in the environment, various ecosystems, and inherited traits. Student investigations emphasize accurate observations, collection of data, data analysis, and the safe manipulation of laboratory apparatus and materials in the field and the laboratory. Students will complete an independent research project.
Grade Placement: 9 – 10 Prerequisite: None Credit: 1 <i>What's Next?</i> Chemistry or Chemistry Honors	
204101 Anatomy and Physiology	Anatomy and Physiology of Human Systems includes laboratory investigation and fieldwork using appropriate scientific inquiry. This hands-on course is a survey of the structures and functions of the human body. In this course the student will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy processes.
Grade Placement: 11 – 12 Prerequisite: Biology and Chemistry Credit: 1 <i>What's Next?</i> Medical Science or Clinical Rotation or science choice	
204151 AP Biology (second year)	AP Biology is a two-hour course designed to be the equivalent of an introductory college-level course. AP Biology is the study of general biological principles. Cytology, biochemistry, developmental biology, genetics, ecology, and various aspects of adaptation are studied. Relationships and applications of concepts within and among the various sciences are explored. Laboratory investigations are an integral part of the course. This course prepares students for the Biology Advanced Placement exam.
Grade Placement: 11 – 12 Prerequisite: Biology , Chemistry Credit: 2 (1 AP Biology and 1 Advanced Biology Lab)	
205001 Chemistry (first year)	Chemistry is the study of the structure, composition, and behavior of matter. The course of study emphasizes the investigation of matter, its interactions, and the factors affecting the interactions. Chemistry is a laboratory-oriented course that stresses the observation of matter and its behavior, classification of matter, communication of data, measurement of chemical quantities, prediction of chemical phenomena, and manipulation of chemical investigations.
Grade Placement: 10 – 12 Prerequisite: Algebra I credit required and completion of Biology or IPC Credit: 1 <i>What's Next?</i> AP Biology, Physics, Physics Honors, or AP Chemistry	

205031 Chemistry Honors (first year) Grade Placement: 10 – 12 Prerequisite: Algebra I and Biology Credit: 1 <i>What's Next?</i> Physics or Physics Honors	The Chemistry Honors course is designed to introduce the student to the qualitative and quantitative aspects of a first year chemistry program. An in-depth study of the mathematical applications will be stressed. The course will emphasize the theoretical concepts of molecular bonding, thermodynamics, kinetics, and equilibrium. The descriptive aspects of the periodic table will be dealt with throughout the course. Students will complete an independent research project.
205151 AP Chemistry (second year) Grade Placement: 11 – 12 Prerequisite: Chemistry, Biology Credit: 2 (1 AP Chemistry and 1 Advanced Chemistry Lab)	AP Chemistry is a second year, two-hour course designed to be the equivalent of an introductory college-level course. Study focuses on matter, its interactions, and energy of matter. Some topics included are thermochemistry, chemical bonding, kinetics, equilibrium, and electrochemistry. Laboratory investigation is an integral part of the course. This course prepares students to take the Chemistry Advanced Placement exam.
206001 Physics (first year) Grade Placement: 11 – 12 Prerequisite: Algebra I and Geometry, 2 credits of science Credit: 1 <i>What's Next?</i> AP Physics 1-2, AP Physics C, AP Chemistry, AP Biology, AP Environmental Science, or science choice	Physics I is the study of matter and energy and their interactions. Students are introduced to fundamental concepts in the areas of mechanics, light, sound, heat, electricity, magnetism, and nuclear phenomena. Student investigations emphasize accurate observations, collection of data, analysis of data, and the safe manipulation of laboratory apparatus and materials.
206031 Physics Honors (first year) Grade Placement: 11 – 12 Prerequisite: 2 credits of science, concurrent enrollment in Algebra II Credit: 1 <i>What's Next?</i> AP Physics 1-2, AP Physics C, AP Chemistry, AP Biology, AP Environmental Science, or 4th year science	Physics Honors is the study of physical principles, which govern the behavior of matter. It includes mechanics, electricity, magnetism, thermodynamics, kinetic theory, electromagnetic radiation, optics, and atomic and nuclear physics. In introducing fundamental physical concepts emphasis will be placed on the use of mathematics in formulating physical principles and in problem solving; thus a strong math background is necessary.
20615B AP Physics 1 (second year) Grade Placement: 12 Prerequisite: Physics, Geometry, and Algebra II, or concurrent enrollment in Algebra II or an equivalent course Credit: 1	AP Physics 1 is the first semester course of a yearlong course that provides a systematic introduction to the main principles of physics and emphasizes the development of conceptual understanding and problem solving using algebra and trigonometry. Students explore principles of Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and simple circuits. The course is based on six Big Ideas, which encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about the physical world. This course prepares the student to take the Physics 1 advanced Placement exam. Students who have completed this course, may not enroll in either AP Physics C Mechanics or AP Physics C Electricity and Magnetism.

20625B AP Physics 2 (second year)	AP Physics 2 is the second semester course of a yearlong course that provides a systematic introduction to the main principles of physics and builds upon the Physics 1 AP course by providing instruction in principles of fluids, thermodynamics, electricity, magnetism, optics, and topics in modern physics. The course is based on seven Big Ideas, which encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about the physical world. This course prepares the student to take the Physics 2 Advanced Placement exam. Students who have completed this course, may not enroll in either AP Physics C Mechanics or AP Physics C Electricity and Magnetism.
Grade Placement: 12 Prerequisite: Physics, Geometry, and Algebra II, or concurrent enrollment in Algebra II or an equivalent course Credit: 1	
20635B AP Physics C Mechanics (second year)	AP Physics C Mechanics is the first semester course of a yearlong course. In this course, the use of calculus in problem solving is introduced. This course applies both differential and integral calculus and provides instruction in each of the following six content areas: Kinematics, Newton's laws of motion, Work, energy and power, Systems of particles and linear momentum, Circular motion and rotation, and Oscillations and gravitation. This course prepares the student to take the Mechanics Advanced Placement C exam. Students who have completed this course, may not enroll in either AP Physics 1 or AP Physics 2.
Grade Placement: 12 Prerequisite: Physics, AP Calculus, or concurrent enrollment in AP Calculus Credit: 1	
20645B AP Physics C Electricity and Magnetism (second year)	AP Physics C Electricity and Magnetism is the second semester course of a yearlong course. This course applies both differential and integral calculus, and builds upon the AP Physics C: Mechanics course by providing instruction in each of the following five content areas: Electrostatics, Conductors, capacitors, and dielectrics, Electric circuits, Magnetic fields, and Electromagnetism. This course prepares the student to take Electricity and Magnetism Advanced Placement C exam. Students who have completed this course, may not enroll in either AP Physics 1 or AP Physics 2.
Grade Placement: 12 Prerequisite: Physics, AP Calculus, or concurrent enrollment in AP Calculus Credit: 1	
206501 Engineering Design and Problem Solving	Engineering Design and Problem Solving introduces students to what engineering is, what engineers do, and how engineering shapes the world around them. This is a design-based course, where students will learn the concepts of engineering design and problem solving by completing a series of projects throughout the year. The intention of this course is to teach engineering design through a practical and real world approach to problem solving. <u>Successful completion of both semesters of this course will satisfy a science credit.</u>
Grade Placement: 12 Prerequisite: Geometry, Algebra II, Biology, IPC or Chemistry Credit: 1 (3rd or 4th science credit)	
208201 Environmental Systems	The Environmental Systems course focuses on the study of the environment with emphasis on ecology and natural resources. The current energy situation will be studied, and recycling of natural resources will be evaluated. Emphasis on people and society, including cultural perspectives and pollution problems will be made.
Grade Placement: 11 – 12 Prerequisite: 2 credits of high school science (Biology and IPC or Chemistry) Credit: 1	

208251 AP Environmental Science Grade Placement: 11 – 12 Prerequisite: Algebra I, Biology and Chemistry Credit: 1	The AP Environmental Science course is interdisciplinary and will provide students with scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. This course prepares the student to take Advanced Placement exam.
207501 Earth and Space Science Grade Placement: 11 – 12 Prerequisite: 2 credits of high school science (Biology and IPC or Chemistry) Credit: 1	Earth and Space Science is based on Earth's system in space and time. The approach has three themes of Earth in space and time, solid Earth, and fluid Earth. In each theme are included the strands of systems, energy and relevance. Natural and human events and their effect on Earth's systems will be studied within the context of the three themes and strands.
208001 Honors Scientific Research and Design Grade Placement: 9 – 12 Prerequisite: Concurrent enrollment in an advanced level science course and approval of instructor through application. Credit: 1 - 3	Students will explore science and become acquainted with the scientific community, improve fundamental research skills, apply statistical analysis, and enhance oral and visual presentation techniques. Each student will be required to develop his/her own independent science research project and will learn how to structure, organize, publish, and present the project in one or more formal presentations to a panel of judges. It is required that all student independent research projects be judged. *Students enrolling in Biology Dual Credit as seniors can only have two credits of Honors Scientific Research and Design prior to their senior year.
552251 Food Science Grade Placement: 11 – 12 Prerequisite: Biology and IPC or Chemistry Credit: 1 (3 rd or 4 th science credit) <i>What's next?</i> Culinary Arts	Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing and the improvement of foods for the consuming public. Food Science students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. <u>Successful completion of both semesters of this course will satisfy a science credit.</u>
555401 Forensic Science Grade Placement: 12 Prerequisite: Biology and IPC or Chemistry, and Law Enforcement I Credit: 1 (3 rd or 4 th science credit)	This course uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will perform fingerprint analysis, ballistics, and blood spatter analysis on evidence collected from simulated crime scenes. Students will learn the history, legal aspects and career options for forensic science. A minimum of 40% of class time will be spent in laboratory work and field investigations. This course may not be offered on all campuses. <u>Successful completion of both semesters of this course will satisfy a science credit.</u>

**556201 Engineering Science
 (PLTW)**

Grade Placement: 10 – 12

Prerequisite: Geometry or concurrent enrollment and Chemistry or concurrent enrollment is required. Successful completion of Intro to Engineering Design (IED) is recommended.

Credit: 1 (science credit)

This course is part of the Project Lead The Way (PLTW.org) pre-engineering sequence. Applying the principles of physics to various technology systems and manufacturing processes helps students learn how engineers and technicians use science, technology, and math in an engineering problem solving process. Topics covered include: mechanisms and mechanical advantage, static forces and bridge design, material properties, energy and power generation, thermodynamics, kinematics, fluid power, and creation of C language programs for robotics and machine control. **Successful completion of both semesters of this course will receive science credit.** This is a Distinguished Level course (beginning with the graduating class of 2023[◇]).

SOCIAL STUDIES

To find out more about the Social Studies Texas Essential Knowledge and Skills (TEKS) click [here](#).

Plano ISD Course No.	Subject	Grade	Credits
253001	World Geography	9 – 12	1
253171	World Geography (eSchool) (see pg. 20 for information)	9 – 12	.5 - 1
253031	World Geography Honors	9 – 10	1
253251	AP Human Geography	9 – 10	1
252001	World History	9 – 12	1
252171	World History (eSchool) (see pg. 20 for information)	9 – 12	1
252031	World History Honors	9 – 10	1
252151	AP World History	10	1
101041	Humanities I English I GT (English I Honors)	9	1
252041	Humanities II AP World History GT (AP World History)	10	1
25220B	Contemporary World Issues	11 – 12	.5
251001	United States History	11 – 12	1
251171	United States History (eSchool) (see pg. 20 for information)	11 – 12	.5 - 1
251051	AP United States History	11 – 12	1
251131	United States History Dual Credit (see pg. 11 for information)	11 – 12	1
S14251	American Studies	11	2
S25425	American Principles	12	1
25400B	United States Government	11 – 12	.5
25417B	United States Government (eSchool) (see pg. 20 for information)	11 – 12	.5
25417B	United States Government (Blended Course)	11 – 12	.5
25405B	AP United States Government – Government and Politics	11 – 12	.5
25423B	United States Government Dual Credit (see pg. 11 for information)	11 – 12	.5
25415B	AP Government – Comparative	11 – 12	.5
25500B	Economics, with Emphasis on the Free Enterprise System and its Benefits	11 – 12	.5

Plano ISD Course No.	Subject	Grade	Credits
25517B	Economics, with Emphasis on the Free Enterprise System and its Benefits (eSchool) (see pg. 20 for information)	11 – 12	.5
25517B	Economics, with Emphasis on the Free Enterprise System and its Benefits (Blended Course)	11 – 12	.5
25505B	AP Economics, with Emphasis on the Free Enterprise System and its Benefits (MACRO)	11 – 12	.5
25525B	AP Economics, with Emphasis on the Free Enterprise System and its Benefits (MICRO)	11 – 12	.5
25533B	Economics, with Emphasis on the Free Enterprise System and its Benefits (MACRO) Dual Credit (see pg. 11 for information)	11 – 12	.5
25700B	Psychology	11 – 12	.5
25707B	Psychology (eSchool) (see pg. 20 for information)	11 – 12	.5
25705B	AP Psychology	11 – 12	.5
25800B	Sociology	11 – 12	.5
25803B	Sociology Honors	11 – 12	.5
256051	AP European History	10 – 12	1
25910B	Special Topics in Social Studies: 20 th Century World History	10	.5
95200B	Personal Financial Literacy (eSchool) (see pg. 20 for information)	10 – 12	.5

253001 World Geography

Grade Placement: 9 – 12

Prerequisite: None

Credit: 1

What's Next? World History, World History Honors, AP World History

This course examines people, places, and environments at different scales from a spatial perspective. Students describe the influence of geography on events of the past and present with emphasis on contemporary issues. A significant portion of the course centers on social, historical, environmental, and economic and political geography. Students analyze the world through the exercise of map, reading, and critical thinking skills.

253031 World Geography Honors

Grade Placement: 9 – 10

Prerequisite: None

Credit: 1

Honors World Geography encompasses all of World Geography and increases the depth and complexity of the topics studied. Students examine the interrelationship between people, places, and environments at different scales through independent and collaborative exercises. Students describe the influence of geography on events of the past and present with emphasis on contemporary issues. The course centers on social, historical, environmental, and economic and political geography. Students will use their knowledge of spatial relationships, systematic physical and human processes and the interaction between people and their environment to make intelligent decisions as citizens.

253251 AP Human Geography	This course introduces students to the systematic study of patterns and processes that have shaped the physical and human world. Students will also learn and apply the methods and tools geographers use in their science and practice. This course prepares the student to take the Advanced Placement examination and may be used to fulfill the World Geography requirement for graduation. If a student has earned a credit in World Geography, enrollment in the AP Human Geography course will not count as a credit.
Grade Placement: 9 – 10 Prerequisite: None Credit: 1	
252001 World History	This course is a survey of world history and focuses on concepts and skills that apply to various eras, events, and people. The major emphasis is on the study of significant people, events, and issues from the earliest times to the present. Students evaluate the causes and effects of political, economic, geographic, and cultural interactions over time. Students will discover connections between the past and contemporary society.
Grade Placement: 9 – 12 Prerequisite: None Credit: 1	
252031 World History Honors	Honors World History encompasses all of World History and increases the depth and complexity of the topics studied. The course includes an emphasis on the development of civilizations from ancient times to the present. The students will use primary source materials extensively. In addition, research, critical thinking, and writing skills will be developed through creative student driven activities.
Grade Placement: 9 – 10 Prerequisite: None Credit: 1 <i>What's next?</i> US Government or Economics or US Government Honors or Economics Honors	
252151 AP World History	This course may be taken to fulfill the World History requirement for graduation. This course focuses primarily on the past thousand years of the global experience. It emphasizes the empires of China and Mesoamerica; the expansion of Islam; the period of new political credits in Africa and Europe; and social, cultural, and economic developments around the world. This course prepares the student to take the Advanced Placement examination. If a student has earned a credit in World History or World History H/IH, enrollment in AP World History course will not count as a credit.
Grade Placement: 10 Prerequisite: None Credit: 1 <i>What's next?</i> AP US History	
101041 Humanities I English I GT (English I Honors)	Humanities I English I GT and Humanities II AP World History GT are courses that provide gifted students with opportunities not available through regular or advanced classes. The course integrates the Humanities into a combined English I Honors and AP World History two-year interdisciplinary course. The curriculum includes a historical study of the commonalities of the fine arts including literature, the visual arts, architecture, and music. Humanities I focuses on the period up to the Renaissance; Humanities II examines the period from the Renaissance to contemporary times. Students will learn and practice the craft of writing through various products. Literature from a variety of world traditions will also be a key focus. Ninth and tenth grade students will sit in the same class while earning credit in separate courses; ninth graders will earn English I Honors credit while tenth graders earn AP World History credit. At the conclusion of Humanities II, students may choose to sit for the AP World History exam in the hopes of earning college credit. <u>Humanities does NOT fulfill the fine arts requirement for graduation and is not recognized as a fine arts course by TEA.</u>
Grade Placement: 9 Prerequisite: Identification / Selection as Gifted Credit: 1	
252041 Humanities II AP World History GT (AP World History)	
Grade Placement: 10 Prerequisite: Identification / Selection as Gifted Credit: 1 <i>What's next?</i> American Studies; Advanced Placement courses	

25220B Contemporary World Issues Grade Placement: 11 – 12 Prerequisite: None Credit: .5	This elective course will emphasize the present and future world. It will be as relevant as today's events. As issues emerge, the historical, geological, political, and economic context of the area and issue involved will be studied. Thus, this course should provide an excellent vehicle for further development and application of geographic knowledge and skills. Also, through reading and reference skills, students will be required to understand how a country such as the US is organized to respond to world issues and events, making citizenship in an interdependent world a major focus.
251001 United States History Grade Placement: 11 – 12 Prerequisite: Cannot be taken until after 10th grade Credit: 1	Historical content in this course focuses on the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic agendas, foreign policies, and reform movements, including civil rights. Additional themes include geography, diplomacy and cultural reactions to major events from 1877 to modern times. Students use critical-thinking skills with a variety of primary and secondary source material to explain and apply different methods that historians use to understand and interpret the past, including multiple points of view and historical context.
251051 AP United States History Grade Placement: 11 – 12 Prerequisite: Cannot be taken until after 10th grade Credit: 1	This course explores United States history from the Colonial Era through the present. Cultural diversity, the role of minorities, and the impact of women on the development of American history will be a major focus. Students will read and analyze primary source documents, scholarly works, and historical research. Students who enroll in AP US History will have the opportunity to take the Advanced Placement examination at the conclusion of the course and earn college credit for their work. The student may take this course for the required US History credit.
S14251 American Studies (AP English III Language and Composition and AP US History) Grade Placement: 11 Prerequisite: G/T Identification or World History AP recommended Credit: 2 <i>What's next?</i> American Principles or The Human Experience: Culture, Media and Perception	Designed for the gifted and/or accelerated learner, American Studies integrates the Humanities into a combined AP US History and AP English III Language and Composition course to create a daily two hour cultural experience which demands students to simultaneously explore the connections between literature, history and the Humanities. Students will explore the history of the United States with an emphasis on both collaborative and independent work that emphasizes the study of rhetorical styles and the structures of important historical documents and readings. This course considers cultural accomplishments as manifested in art, architecture, literature, music, theater and philosophy. American literature of all genres is incorporated into the curriculum to enhance the depiction of various historical time periods. At the conclusion of the course, students may choose to take both the AP US History and the AP English Language and Composition exams to possibly earn college credit.

**S25425 American Principles
(AP Economics and AP
Government)**

Grade Placement: 12

Prerequisite: G/T Identification or American
Studies recommended

Credit: 1

American Principles is the senior year offering for students receiving gifted services and/or high achieving students seeking an integrated learning experience. This course combines AP Economics, AP Government, and the Humanities. Although the first semester will focus on Government and the second semester on Economics, both subject areas will be referred to throughout the year. The elements of the Humanities will be considered as both a citizenry's response to, and a catalyst for, governmental and economic decisions and public policy. Students may choose to sit for both the AP Economics and the AP Government exams at the end of the course.

**25400B United States
Government**

Grade Placement: 11 – 12

Prerequisite: U.S. History or concurrent
enrollment in U.S. History

Credit: .5

United States Government will assist students in acquiring knowledge of the structure, functions, and development of our system of government. The course will analyze the political institutions, processes, and civic values inherent in our political system and provide students the opportunity to develop and apply the participatory skills needed to carry out civic responsibilities and exercise their rights as citizens. It will also provide students the opportunity to analyze and compare political institutions, processes, and civic values of the United States with those of other political systems as well as opportunities to develop appropriate democratic values and support for the American free enterprise system.

25417B United States Government (Blended Course)	United States Government will assist students in acquiring knowledge of the structure, functions, and development of our system of government. The course will analyze the political institutions, processes, and civic values inherent in our political system and provide students the opportunity to develop and apply the participatory skills needed to carry out civic responsibilities and exercise their rights as citizens. It will also provide students the opportunity to analyze and compare political institutions, processes, and civic values of the United States with those of other political systems as well as opportunities to develop appropriate democratic values and support for the American free enterprise system. <u>In a blended class, students access some/most course content online and independently. This class will meet face-to-face on a schedule specified by the teacher. During times the student is not required to attend the face-to-face class, he/she may or may not be on campus during that class period. However, if the student is on campus, he/she must be in one of the areas specified by the campus administration.</u>
25405B AP United States Government – Politics	The Advanced Placement course in American Government is designed to give students a critical perspective on politics and government in the United States. This course involves both the studies of general concepts used to interpret American politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that make up the American political reality. The student will have the opportunity to take the Advanced Placement examination at the conclusion of the course. This course may be used to fulfill the US Government requirement for graduation. This course prepares the student to take the Advanced Placement exam.
25415B AP Comparative Government	This course is designed to help students gain knowledge of the world's diverse political structures and practices. It encompasses the study of both specific countries and of general concepts used to interpret the key political relationships found in almost all-national politics. This course will NOT fulfill the U. S. Government requirement for graduation. This course prepares the student to take the Advanced Placement exam. This course may not be offered on all campuses.
25500B Economics, with Emphasis on the Free Enterprise System and Its Benefits	Economics is the study of how people and countries deal with the problem of scarcity--not enough goods and services to satisfy everyone's wants and needs. To understand this problem, students will study the market system, American business organizations, supply and demand, money and banking system, the national economy, international trade, and other economic systems.

Grade Placement: 11 – 12

Prerequisite: U.S. History or concurrent enrollment in U.S. History

Credit: .5

Grade Placement: 11 – 12

Prerequisite: U.S. History or concurrent enrollment in U.S. History

Credit: .5

Grade Placement: 11 – 12

Prerequisite: None

Credit: .5

Grade Placement: 11 – 12

Prerequisite: U.S. History or concurrent enrollment in U.S. History

Credit: .5

25517B	Economics, with Emphasis on the Free Enterprise System and Its Benefits (Blended Course)	Economics is the study of how people and countries deal with the problem of scarcity--not enough goods and services to satisfy everyone's wants and needs. To understand this problem, students will study the market system, American business organizations, supply and demand, money and banking system, the national economy, international trade, and other economic systems. <u>In a blended class, students access some/most course content online and independently. This class will meet face-to-face on a schedule specified by the teacher. During times the student is not required to attend the face-to-face class, he/she may or may not be on campus during that class period. However, if the student is on campus, he/she must be in one of the areas specified by the campus administration.</u>
Grade Placement: 11 – 12		
Prerequisite: U.S. History or concurrent enrollment in U.S. History		
Credit: .5		
25505B	AP Economics, with Emphasis on the Free Enterprise System and Its Benefits (MACRO)	<u>AP Macroeconomics</u> This course is designed to give students an understanding of the principles of economics that apply to an economic system. The content will include analysis of economic concepts; measurement of economic performance; national income and price level determination; financial sector; inflation; unemployment and stabilization policies; economic growth and productivity; and international trade and finance. Students will have the opportunity to take the Advanced Placement examination at the conclusion of the course. This course may fulfill the graduation requirement for Economics.
25525B	AP Economics, with Emphasis on the Free Enterprise System and Its Benefits (MICRO)	<u>AP Microeconomics</u> This course is designed to give students an understanding of the principles of economics that apply to the functions of individual decision-makers, both consumers and producers, within the economic system. The content will include analysis of economic concepts; nature and function of product markets; factor markets, market failure and the role of government. Students will have the opportunity to take the Advanced Placement examination at the conclusion of the course. This course may fulfill the graduation requirement for Economics.
Grade Placement: 11 – 12		
Prerequisite: U.S. History or concurrent enrollment in U.S. History		
Credit: .5		
25700B	Psychology	This course will introduce the student to the science of psychology with emphasis on human behavior. Content of the course will include the study of the facts involved in learning and thinking, intelligence, human development, personality theories, defense mechanisms, abnormal behavior and treatment, and careers in psychology.
Grade Placement: 11 – 12		
Prerequisite: None		
Credit: .5		
25705B	AP Psychology	AP Psychology is designed to meet the requirements of a college level course in psychology. Many topics explored in the regular course will be developed to a higher level. This course prepares the student for the Advanced Placement exam which they will be given the opportunity to take in May. Students may take Psychology and AP Psychology and be awarded state elective credit for each course.
Grade Placement: 11 – 12		
Prerequisite: None		
Credit: .5		

25800B Sociology	Sociology presents a comparative look at group behavior in many cultures, social classes, and communities. It introduces the student to the ways sociologists investigate, describe, and analyze social life. The process of socialization, showing how both males and females learn cultural patterns and social norms as children, adolescents, and adults, is a major focus. The topics of race, ethnicity, poverty, and the role of change are also discussed.
Grade Placement: 11 – 12 Prerequisite: None Credit: .5	
25803B Sociology Honors	Sociology Honors will extensively explore the nature of social life and human interaction and increase the depth and complexity of topics studied in Sociology. While studying comparative group behaviors in various cultures, social classes, and communities, students will be researching, interpreting, and analyzing a variety of primary sources and case studies.
Grade Placement: 11 – 12 Prerequisite: None Credit: .5	
256051 AP European History	The course is for social studies students who demonstrate the ability and interest to study a college-level European history course. The content will include a study of the history of Europe from 1500 to the present. Analytical and research skills will be used to study primary sources and scholarly works. The student will have the opportunity to receive college credit for this course by demonstrating knowledge on an Advanced Placement examination. This course prepares the student to take the Advanced Placement exam.
Grade Placement: 10 – 12 Prerequisite: World History or concurrent enrollment Credit: 1	
25910B Special Topics in Social Studies: 20th Century World History	The course investigates the major political, social, and economic developments, international relationships, scientific breakthroughs, and cultural trends that have shaped the various global regions and nation-states from 1900 to the present. The course will emphasize the interactions of global regions and nation-states.
Grade Placement: 10 Prerequisite: None Credit: .5 (elective credit)	

SPEECH

To find out more about the Speech Texas Essential Knowledge and Skills (TEKS) click [here](#).

Plano ISD Course No.	Subject	Grade	Credits
45350B	Professional Communications	9 – 12	.5
45354B	Professional Communications (eSchool) (see pg. 20 for information)	9 – 12	.5
45250B	Visual Media & Analysis Production	11 – 12	.5
451601	Debate I	9 – 12	1
452601	Debate II	10 – 12	1
453601	Debate III	11 – 12	1
453631	Debate III Honors	11 – 12	1
451701	Oral Interpretation I	9 – 12	1
452701	Oral Interpretation II	10 – 12	1
453701	Oral Interpretation III	11 – 12	1
453731	Oral Interpretation III Honors	11 – 12	1
454731	Independent Study in Speech Honors	11 – 12	1

45350B Professional Communications

Grade Placement: 9 – 12

Prerequisite: None

Credit: .5

What's Next? Any Speech elective

Professional Communications blends written, oral, and graphic communication in a real world context that promotes leadership and professional behaviors. Creative individuals with strong communications skills, a solid academic foundation and proficiency in a wide range of technology applications are in demand by higher education institutions and global industry. This course will help to develop and expand the ability to write, read, edit, speak, listen, present, apply software applications, manipulate computer graphics, and conduct research to better prepare for a competitive academic and/or workplace environment. **Successful completion of this course will satisfy the speech requirement for graduation.**

45250B Visual Media & Analysis Production

Grade Placement: 11 – 12

Prerequisite: None

Credit: .5

What's Next? Any Speech elective

Students will study the history, functions, and laws affecting broadcast media. They will consider the impact of radio and television on society. They will be involved with script composition, production techniques, and the role of the broadcast media consumer.

451601 Debate I Grade Placement: 9 – 12 Prerequisite: None Credit: 1 <i>What's next?</i> Debate II	Students will study specific formats and forums for debate. They will learn processes of logic and critical thinking as they prepare briefs and cases. They will learn to write, present and compete in various public speaking events. They will make debate presentations in class. Successful completion of this course will also satisfy the speech requirement for graduation.
452601 Debate II Grade Placement: 10 – 12 Prerequisite: Debate I Credit: 1 <i>What's next?</i> Debate III	This is the second course for those students wishing to continue their study of debate. Students will study specific formats and forums for debate. They will learn processes of logic and critical thinking. They will learn to write, present and compete in various public speaking events. They will make debate presentations in classroom and tournament situations.
453601 Debate III Grade Placement: 11 – 12 Prerequisite: Debate II Credit: 1	This is the third course for those students wishing to continue their study of debate. Students will study specific formats and forums for debate. They will learn processes of logic and critical thinking as they prepare briefs and cases. They will learn to write, present and compete in various public speaking events. They will make debate presentations in classroom and tournament situations.
453631 Debate III Honors Grade Placement: 11 – 12 Prerequisite: Debate II, interview, and application may be required Credit: 1	This course requires a contract for completion of course requirements in order to receive honors credit. Although encompassing the same debate skills and course expectations as the regular debate course, this class has an added emphasis on research and individualized study, leading to the development of comprehensive debate skills.
451701 Oral Interpretation I Grade Placement: 9 – 12 Prerequisite: None Credit: 1 <i>What's next?</i> Oral Interpretation II	Students in these courses will study such principles of oral interpretation of literature as selection and analysis of literature, performance techniques, and criteria for evaluation. They will participate in presentations in classroom and tournament situations. Successful completion of this course will also satisfy the speech requirement for graduation.
452701 Oral Interpretation II Grade Placement: 10 – 12 Prerequisite: Oral Interpretation I Credit: 1 <i>What's next?</i> Oral Interpretation III	
453701 Oral Interpretation III Grade Placement: 11 – 12 Prerequisite: Oral Interpretation II Credit: 1	

453731 Oral Interpretation III Honors

Grade Placement: 11 – 12

Prerequisite: Oral Interpretation II, audition and application may be required

Credit: 1

This is the third course for those students wishing to continue their study of oral interpretation. Although encompassing the same public speaking and oral interpretation skills and course expectations as the regular oral interpretation course, this class has an added emphasis on research and individualized study, leading to the development of comprehensive oral interpretation skills. This course requires a contract for completion of course requirements in order to receive honors credit. Students will exhibit a working knowledge of vocal development in the oral interpretation process. Students will also evaluate oral interpretation performances, critiquing the positive and negative aspects of the performance, and providing suggestions for improvement.

454731 Independent Study in Speech Honors

Grade Placement: 11 – 12

Prerequisite: Oral Interpretation or Debate, audition and application may be required

Credit: 1

This course is designed to provide opportunity for advanced students to plan, organize, produce, perform and evaluate a project that enables them to develop advanced skills in communication, critical thinking and problem solving. Students must be highly organized and self-motivated for the personalized, independent nature of this course.

CAREER & TECHNICAL EDUCATION

Career & Technical Education (CTE) provides opportunities for students to gain knowledge and skills they may use in high school, college, a career after graduation, and/or a financial means to help further their education. CTE blends academics and career skills to produce well-rounded graduates. Plano ISD CTE: <https://www.pisd.edu/cte>

Plano ISD offers CTE courses in the following Career Clusters that will fulfill the criteria for several of the new Endorsement pathways:

- Agriculture, Food and Natural Resources
- Architecture and Construction
- Arts, Audio/Visual Technology and Communications
- Business Management and Administration
- Education and Training
- Finance
- Health Science
- Hospitality and Tourism
- Human Services
- Information Technology
- Law, Public Safety, Corrections and Security
- Manufacturing
- Marketing, Sales and Service
- Science, Technology, Engineering and Mathematics
- Transportation, Distribution and Logistics

For more information on graduation requirements and endorsements visit: <https://www.pisd.edu/coursecatalogs>.

It is the policy of Plano ISD not to discriminate on the basis of race, color, national origin, sex or handicap in its vocational programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Educational Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended. Plano ISD will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs. Plano ISD will take steps to ensure cost will not prevent access to programs.

Career Preparation courses and Internships

A student planning to enroll for the first time in a 2 – 3 hour intern program or a career preparation program is expected to complete a student information form. This form may be obtained from the counselor's office.

Fine Arts Credit

Successful completion of both semesters of Floral Design will satisfy the Fine Arts 1.0 credit graduation requirement.

Health Credit

Successful completion of both semesters of Health Science Theory will fulfill the Health .5 credit graduation requirement.

Math Credit

A math credit may be fulfilled by successful completion of both semesters of:

- Accounting II Honors
- Digital Electronics (PLTW)

Science Credit

A science credit may be fulfilled by successful completion of both semesters of:

- Anatomy and Physiology
- Food Science
- Forensic Science
- Honors Scientific Research and Design
- Engineering Design and Problem Solving
- Engineering Science PLTW

Speech Credit

Successful completion of Professional Communications will fulfill the speech .5 credit graduation requirement.

CAREER & TECHNICAL EDUCATION

Agriculture, Food and Natural Resources

To find out more about the Career & Technical Education Texas Essential Knowledge and Skills (TEKS) click [here](#).

Plano ISD Course No.	Subject	Grade	Credits
55250Q	Ag Mechanics and Metal Technologies	11 – 12	1
55145B	Equine Science	11 – 12	.5
55115Q	Horticulture Science	9 – 12	1
55155B	Landscape Design Management	9 – 12	.5
55160B	Turf Grass Management	9 – 12	.5
55195B	Professional Standards in Agribusiness	9 – 12	.5
55130Q	Livestock Production	9 – 12	1
551501	Floral Design	11 – 12	1
551801	Floral Design II	12	1
55105B	Small Animal Management	9 – 10	.5
552801	Veterinary Medical Applications	11 – 12	1
552901	Practicum in Agriculture, Food and Natural Resources: Veterinary Medicine	12	2
552951	Practicum in Agriculture, Food and Natural Resources: Floral Design	12	2
55110Q	Wildlife, Fisheries and Ecology Management	9 – 12	1
55170Q	Principles of Agriculture, Food, and Natural Resources	9 – 10	1

55250Q Ag Mechanics & Metal Technologies

Grade Placement: 11 – 12

Prerequisite: None

Credit: 1

This hands-on course develops skills and competencies in the areas of plumbing, electrical wiring, concrete construction, carpentry, fencing methods, cold and hot metal techniques and metal merging technologies. Students will learn how to use both woodworking and metal working tools and equipment safely. Students are given the opportunity to develop leadership skills through the FFA organization. A course fee may be required for projects that can be taken home by the student. Please note this is a one semester course receiving 1.0 credit.

55145B Equine Science

Grade Placement: 11 – 12

Prerequisite: None

Credit: .5

This course is designed to develop knowledge and skills pertaining to the selection, nutrition, reproduction, health, and management of horses. Students will learn the basic principles of care and training. Students are given the opportunity to develop leadership skills through the FFA organization.

55115Q Horticulture Science Grade Placement: 9 – 12 Prerequisite: None Credit: 1	This course offers students the opportunity to explore plant systems and common horticulture management practices as they relate to food and ornamental plant production. Topics include ornamental trees and shrubs, insects, plant diseases, weed management, soils and plant nutrition, vegetable gardening, home fruit production, garden flowers and water conservation. Students are given the opportunity to develop leadership skills through the FFA organization. This course provides instruction and training necessary for the Junior Master Gardener Certification. Please note this is a one semester course receiving 1.0 credit.
55155B Landscape Design and Management Grade Placement: 9 – 12 Prerequisite: None Credit: .5	This course is designed to introduce students to horticultural sciences with emphasis on the technical skills involved in the designing, construction, and maintenance of planted areas and devices for the beautification of home grounds and other areas of human habitation and recreation. Students are given the opportunity to develop leadership skills through the FFA organization.
55160B Turf Grass Management Grade Placement: 9 – 12 Prerequisite: None Credit: .5	This course is designed to develop an understanding of turf grass management techniques and practices. Students will gain a greater understanding of the benefits of turf grass in the residential, commercial and athletic settings. Students are given the opportunity to develop leadership skills through the FFA organization.
55195B Professional Standards in Agribusiness Grade Placement: 9 – 12 Prerequisite: None Credit: .5	This course includes topics in leadership, personal development, employee/employer relations, interpersonal communication, entrepreneurship, career opportunities, leadership styles, motivation and influence, preparing resumes and applications, job interviews, employer expectations, problem solving, setting personal goals and time management. Students are given the opportunity to develop leadership skills through the FFA organization.
55130Q Livestock Production Grade Placement: 9 – 12 Prerequisite: None Credit: 1	This course is designed to enhance knowledge and skills pertaining to the production and marketing of domestic livestock. It provides the student with the opportunity to work with live animals while learning technical skills relating to human, scientific and technological dimensions of animal systems, anatomy and physiology, nutrition, reproduction, genetics, pests and diseases, and business management and operation skills. Students are given the opportunity to develop leadership skills through the FFA organization. Please note this is a one semester course receiving 1.0 credit.
551501 Floral Design Grade Placement: 11 – 12 Prerequisite: None Credit: 1 (fine arts credit) What's next? Floral Design II (Advanced Floral Design) or Practicum in Agriculture, Food & Natural Resources: Floral Design	This is an activity-based course which prepares students to develop competencies in flower classification and identification, geometric and specialized floral designs, identification and classification of plants, interior landscape development, and the use of artistic elements in personal designs. Students will learn business practices as they relate to the floral industry, and are given the opportunity to develop leadership skills through the FFA organization. Successful completion of both semesters of this course will satisfy the Fine Arts (1.0) credit required for graduation. This course provides instruction and training necessary for the Texas State Florists' Level 1 Certification.

551801 Floral Design II (Advanced Floral Design)	In this course, students build on the knowledge from Floral Design and are introduced to more advanced floral design concepts, with an emphasis on specialty designs and specific occasion planning. This course focuses on building skills in advanced floral design and providing students with a thorough understanding of the design elements and planning techniques used to produce unique specialty floral designs that support the goals and objectives of a specific occasion or event. Through the analysis and evaluation of various occasion and event types, students explore the design needs and expectations of clients and propose and evaluate appropriate creations. From conception to evaluation, students are challenged to create and design appropriate specialty floral designs that meet the needs of the client. Furthermore, an emphasis on budgetary adherence and entrepreneurship equips students with many of the necessary skills needed for success in floral enterprises. This course provides instruction and training necessary for the Texas State Florists' Level 2 Certification.
Grade Placement: 12 Prerequisite: Floral Design Credit: 1	
55105B Small Animal Management	This course is designed to develop knowledge and skills pertaining to selection, ownership, nutrition, reproduction, health and management of a variety of small animals while also exploring career opportunities. This is a laboratory-oriented course that gives students hands-on experience in working with a variety of small animals to possibly include canines, felines, avian, hamsters, small mammals and amphibians. It is suggested that students enroll in Small Animal Management before Veterinary Medical Applications. Students are also given the opportunity to develop leadership skills through the FFA organization.
Grade Placement: 9 – 10 Prerequisite: Principles of Agriculture, Food, and Natural Resources is recommended Credit: .5	
552801 Veterinary Medical Applications	This course includes the academic background for entry-level positions as a veterinary assistant. Topics include animal anatomy, physiology, disease transmission, treatment techniques, lab procedures, parasitology, basic clinical pathology, radiology, emergency procedures, medical and surgical animal handling and restraint, health and safety, sanitation, surgical preparation, medical terminology, infectious diseases, instrument and equipment identification, vaccine preparation and injection techniques, laws and ethics, veterinary office procedures, nursing skills, client interaction, and clinic operations. Students are given the opportunity to develop leadership skills through the FFA organization. This course provides instruction and training necessary for the Texas Veterinary Medical Association's Certified Veterinary Assistant Level I Certification, Red Cross Animal First Aid and CPR, and Hills Pet Nutrition Certification Level 1.
Grade Placement: 11– 12 Prerequisite: Small Animal Management is recommended Credit: 1	

552901	Practicum in Agriculture, Food and Natural Resources: Veterinary Medicine	This course prepares students for careers in the field of veterinary science. It is delivered through classroom-based instruction and internship, job shadowing, and/or employment arrangements with local veterinary clinics and equine facilities. Students are given the opportunity to develop leadership skills through the FFA organization. This course provides instruction and training necessary for the Hills Pet Nutrition Certification Level 2. Students enrolled in this course must provide their own transportation. The approximate student cost for the required uniform is \$75.00. This purchase will be the property of the student. This is an Honors Level course (beginning with the graduating class of 2023^o).
Grade Placement: 12 Prerequisite: Veterinary Medical Applications or Ag Science teacher recommendation in lieu of prerequisites. Credit: 2		
552951	Practicum in Agriculture, Food and Natural Resources: Floral Design	This course prepares students for careers in the field of floral design. It is delivered through classroom-based instruction and internship, job shadowing, and/or employment arrangements with local floral businesses. Students are given the opportunity to develop leadership skills through the FFA organization. Students enrolled in this course must provide their own transportation. The approximate student cost for the required uniform is \$25.00. This purchase will be the property of the student. This is an Honors Level course (beginning with the graduating class of 2023^o).
Grade Placement: 12 Prerequisite: Principles and Elements of Floral Design and High School Floral Design Certification from the Texas State Floral Association or Ag Science teacher recommendation in lieu of prerequisites. Credit: 2		
55110Q	Wildlife, Fisheries and Ecology Management	This course is designed to examine the importance of wildlife and outdoor recreation with emphasis on using scientific knowledge to study wildlife and natural resources. Also included in the course are sections covering boater education, angler education, and hunter education. Students are also given the opportunity to develop leadership skills through the FFA organization. This course provides instruction and training necessary for the Texas Hunter Education and Boater Education Certifications. Please note this is a one semester course receiving 1.0 credit.
Grade Placement: 9– 12 Prerequisite: None Credit: 1		
55170Q	Principles of Agriculture, Food, and Natural Resources	This comprehensive course prepares students for careers in agriculture, food, and natural resource management. Students benefit from the basis of agricultural knowledge as this course allows students to explore areas of animal, plant, food, agribusiness, and environmental sciences while developing their awareness and gaining knowledge and skills that promote personal development and career success. Students are also given the opportunity to develop leadership skills through the FFA organization. Please note this is a one semester course receiving 1.0 credit.
Grade Placement: 9 – 10 Prerequisite: None Credit: 1		

CAREER & TECHNICAL EDUCATION

Architecture and Construction

To find out more about the Career & Technical Education Texas Essential Knowledge and Skills (TEKS) click [here](#).

Plano ISD Course No.	Subject	Grade	Credits
556851	Architectural Design I	11 – 12	1
557551	Architectural Design II	12	2
55235Q	Interior Design I	11 – 12	1

556851 Architectural Design I

Grade Placement: 11 – 12

Prerequisite: Algebra I and Geometry recommended

Credits: 1

What's next? Architectural Design II

This is the first year of a two-year course. The study includes technical vocabulary, introduction to computer-aided drafting (CAD), orthographic projection, auxiliary views, dimensioning, sectional views, axonometric, the various career opportunities available, working drawing, and introduction to architectural concepts. In architectural design, students gain knowledge and skills specific to those needed to enter a career in architecture and construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design and landscape architecture. Software used in this course includes AutoCAD, Revit, and 3dsMax. **This course provides instruction and training necessary for the AutoCAD Certified User Certification.**

557551 Architectural Design II

Grade Placement: 12

Prerequisite: Architectural Design I

Credit: 2

This 2-hour course is a continuation of Architectural Design. The study includes architectural concepts, lettering, site conditions, residential designs, structural systems, civil drafting, H.V.A.C. systems, dimensioning, foundations, entrepreneurship, college investigation and computer-aided drafting concepts. Structural, electronic, civil drafting, 3D, and solid modeling are studied. This course includes an optional internship in which students practice their drafting skills with professionals in the business community. Students participating in optional internships must provide their own transportation. **This course provides instruction and training necessary for the AutoCAD Certified User Certification.**

55235Q Interior Design I

Grade Placement: 11 – 12

Prerequisite: None

Credit: 1

Interior Design I is a technical course that addresses psychological, physiological, and sociological needs of individuals by enhancing the environments in which they live and work. Emphasis is placed on home construction, the elements and principles of design, styles and quality of furniture. Background areas of homes and offices such as wall, window, ceiling, floor treatments and accessories will be analyzed for selection and use. Students will use knowledge and skills related to interior and exterior environments, construction, and furnishings to make wise consumer decisions, increase productivity, promote sustainability and compete in industry. Please note this is a one semester course receiving 1.0 credit.

CAREER & TECHNICAL EDUCATION

Arts, Audio/Visual Technology and Communications

To find out more about the Career & Technical Education Texas Essential Knowledge and Skills (TEKS) click [here](#).

Plano ISD Course No.	Subject	Grade	Credits
403001	Digital Design and Media Production	9 – 12	1
403051	Digital Media	9 – 12	1
553101	Fashion Design I	11 – 12	1
553151	Fashion Design II and Fashion Design II Lab	11 – 12	2
556801	Graphic Design and Illustration I	11 – 12	1
557301	Graphic Design and Illustration I and Graphic Design and Illustration I Lab	11 – 12	2
557351	Graphic Design and Illustration II and Graphic Design and Illustration II Lab	12	2
403201	Audio/Video Production I	11 – 12	1
403301	Audio/Video Production II and Audio/Video Production II Lab	12	2
45350B	Professional Communications	9 – 12	.5
403101	Web Design	9 – 12	1
40360Q	Video Game Design	9 – 12	1

403001 Digital Design and Media Production

Grade Placement: 9 – 12

Prerequisite: Proficiency in keyboarding and computer file management

Credit: 1

In this project-based course, students will learn design theory and technology skills for producing effective publications. While developing skills in page layout, editing, and graphic design, students will plan and produce documents such as newsletters, brochures, posters, marketing materials, and magazines. Students will also learn how to integrate digital content such as video, audio, text, graphics, and motion graphics into publications.

403051 Digital Media

Grade Placement: 9 – 12

Prerequisite: Proficiency in keyboarding and computer file management

Credit: 1

Students will analyze the current and emerging technologies, while designing and creating multimedia projects. Students will develop proficiency in the use of text, graphics, animation, audio, and video. Students will utilize these skills to produce a variety of projects and presentations using **Web Tools** and **Adobe Creative Cloud applications**. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society.

553101 Fashion Design I	In this one-hour , full-year course, students will be introduced to the exciting world of the fashion industry. Course content will include the history of costume, garment styles, textiles, clothing construction, principles and elements of design, fashion merchandising and promotion, and careers in fashion.
Grade Placement: 11 – 12 Prerequisite: None Credit: 1	
553151 Fashion Design II and Fashion Design II Lab	In this two-hour , full-year course, students will build upon the skills acquired in Fashion Design I. Projects include the design, construction, and marketing of the student's own collection of clothing. Quality clothing construction, fashion merchandising, and business concepts are an integral part of the course. The year culminates with the production of a fashion show featuring student designs!
Grade Placement: 11 – 12 Prerequisite: Fashion Design I Credits: 2; Fashion Design II (1 credit) and Lab (1 credit) must be taken as a consecutive block	
556801 Graphic Design and Illustration I (1 hour)	This one or two-hour, full-year course provides training for entry-level employment in the graphic design field. Instruction includes basic components of graphic design and the development of the creative process from concept to finished product. Students will learn traditional techniques as well as current computer software technologies. Career opportunities will be explored. Careers in graphic design and illustration span all aspects of the advertising and visual communications industries.
557301 Graphic Design and Illustration I and Graphic Design and Illustration I Lab (2 hour)	
Grade Placement: 11 – 12 Prerequisite: None Credits: 1 or 2; For 2 hour version: Graphic Design and Illustration I (1 credit) and Lab (1 credit) must be taken as a consecutive block <i>What's next?</i> Graphic Design and Illustration II	
557351 Graphic Design and Illustration II and Graphic Design and Illustration II Lab	This two-hour, full-year course is a continuation of Graphic Design and Illustration providing students with hands-on experience working from concept to finish in a variety of formats. Students gain advanced knowledge of current computer software and techniques while applying them to class assignments and freelance jobs.
Grade Placement: 12 Prerequisite: Graphic Design and Illustration Credits: 2; Graphic Design and Illustration II (1 credit) and Lab (1 credit) must be taken as a consecutive block	
403201 Audio/Video Production I	In this one-hour, full year hands-on introductory course students will explore video production techniques. The course will include techniques in videography, audio, editing, lighting, script writing, and motion graphics. Students are expected to develop an understanding of the film industry with a focus on pre-production, production, and post-production video and audio activities. Students will participate in minor and major projects for a variety of purposes and audiences.
Grade Placement: 11 – 12 Prerequisite: Successful completion of a high school or senior high level technology course or audio/video teacher recommendation in lieu of prerequisites. Credit: 1 <i>What's next?</i> Audio/Video Production II and Lab	

403301 Audio/Video Production II and Audio/Video Production II Lab Grade Placement: 12 Prerequisite: 1 credit in Audio/Video Production and/or Video teacher recommendation in lieu of prerequisite. Credit: 2; Audio/Video Production II (1 credit) and Lab (1 credit) must be taken as a consecutive block	This two-hour, full year course is a continuation of Audio/Video Production I. Students will learn advanced video concepts while working on major projects. In addition to developing advanced knowledge and skills needed for success in the Arts, Audio/Visual Technology, and Communications career cluster, students are expected to develop an advanced understanding of the industry with a focus on pre-production, production, and post-production activities. The class will include projects that provide the campus with necessary video production services. Smaller projects will serve as supplemental material for the students' professional portfolio.
45350B Professional Communications Grade Placement: 9 – 12 Prerequisite: None Credit: .5 <i>What's Next?</i> Any Speech elective	Professional Communications blends written, oral, and graphic communication in a real world context that promotes leadership and professional behaviors. Creative individuals with strong communications skills, a solid academic foundation and proficiency in a wide range of technology applications are in demand by higher education institutions and global industry. This course will help to develop and expand the ability to write, read, edit, speak, listen, present, apply software applications, manipulate computer graphics, and conduct research to better prepare for a competitive academic and/or workplace environment. Successful completion of this course will satisfy the speech requirement for graduation.
403101 Web Design Grade Placement: 9 – 12 Prerequisite: Proficiency in keyboarding and computer file management Credit: 1	The student will develop an understanding of the structure, functions and technical foundations of the Internet. After developing basic proficiency in creating Web pages using traditional HTML coding, visual HTML editors and graphics production software, students will plan and develop Web sites targeting appropriate audiences.
40360Q Video Game Design Grade Placement: 9 – 12 Prerequisite: None Credit: 1	This one-semester course will allow students to explore one of the largest industries in the global marketplace and the new emerging careers it provides in the field of technology. The curriculum will provide the theory of video game design that aligns with the International Game Developers Association. Students will learn gaming, computerized gaming, evolution of gaming, artistic aspects of perspective, design, and animation, and technical concepts of collision theory and programming logic. Students will participate in a simulation of real video game design team while developing technical proficiency in constructing an original 2D game design. Please note this is a one semester course receiving 1.0 credit.

CAREER & TECHNICAL EDUCATION

Business, Management and Administration

To find out more about the Career & Technical Education Texas Essential Knowledge and Skills (TEKS) click [here](#).

Plano ISD Course No.	Subject	Grade	Credits
35300B	Touch System Data Entry	9 – 12	.5
35100Q	Principles of Business, Marketing and Finance	9 – 11	1
352001	Business Information Management	9 – 12	1
352041	Business Information Management (eSchool) (see pg. 20 for information)	9 – 12	1
35530Q	Business Law	11 – 12	1
33540B	Global Business	11 – 12	.5
33550B	Virtual Business	10 – 12	.5

35300B Touch System Data Entry

Grade Placement: 9 – 12

Prerequisite: None

Credit: .5

This one-semester course is designed for all students to acquire touch keyboarding skills and develop both speed and accuracy. Students will enhance reading, writing, computing, communication, and reasoning skills and apply them to the business environment. Students will be able to format tables, letters, and MLA reports and develop critical file management techniques. **It is highly recommended that a student enroll in Touch System Data Entry to develop the skills needed for BIM, Web Mastering, and Digital Media.**

35100Q Principles of Business, Marketing & Finance

Grade Placement: 9 – 11

Prerequisite: None

Credit: 1

Principles of Business, Marketing, and Finance will provide the opportunity for students to gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students will analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance. Students will develop communication skills by working together on team projects, participating in class discussions and creating presentations using appropriate media. Please note this is a one semester course receiving 1.0 credit.

352001 Business Information Management (BIM)	Business Information Management (BIM) is a full-year class that gives students a working knowledge of technology and prepares them to be proficient in business applications using Microsoft Office. Students will develop word processing, spreadsheet, presentation and database skills. BIM provides students the skills to master the world's most powerful business software that prepares them to earn the globally recognized MOS (Microsoft Office Specialist Certifications).
Grade Placement: 9 – 12 Prerequisite: Touch System Data Entry recommended Credit: 1	
35530Q Business Law	Business Law provides practical information of our legal system as it pertains to minors, family law, contracts, bankruptcy, sales warranties, employment laws, criminal law, wills, and the court system. Topics will include social responsibility of business, business ethics, torts, contracts, negotiable financial instruments, personal property, sales, warranties, agency and employment concepts, and real property. Please note this is a one semester course receiving 1.0 credit.
Grade Placement: 11 – 12 Prerequisite: None Credit: 1	
33540B Global Business	Global Business provides students with an understanding of cultural diversity, the global economy, and international business organizations. The content and activities of the course allow the student to develop the appreciation, knowledge, skills, and abilities needed to work in a global marketplace. Students develop a foundation in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. During this one-semester course, each student will have many opportunities to work in teams, and give presentations based on the research done on international business projects.
Grade Placement: 11 – 12 Prerequisite: None Credit: .5	
33550B Virtual Business	Virtual Business will give students an opportunity to incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, and ethical dimensions of business to create a successful virtual business. Students assess their skills, interests & strengths to determine their suitability for working in the virtual world. Students will be involved in a team project that will give them real-world experience that develops leadership, communication, and project management skills through the process of starting virtual business.
Grade Placement: 9 – 12 Prerequisite: None Credit: .5	

CAREER & TECHNICAL EDUCATION

Education and Training

To find out more about the Career & Technical Education Texas Essential Knowledge and Skills (TEKS) click [here](#).

Plano ISD Course No.	Subject	Grade	Credits
55200Q	Principles of Human Services	9 – 12	1
55230Q	Child Development	11 – 12	1
553001	Instructional Practices (Intro to Teaching)	11 – 12	2
553051	Practicum in Education and Training	12	2

55200Q Principles of Human Services

Grade Placement: 9 – 12

Prerequisite: None

Credit: 1

This course will investigate career clusters with a focus on human service careers, including teaching, counseling and mental health, early childhood development, family and community and personal care services. Each student will participate in a variety of projects designed to develop personal characteristics and skills that will lead them into readiness and success in high-skill, high-wage, or high demand careers. Please note this is a one semester course receiving 1.0 credit.

55230Q Child Development

Grade Placement: 11 – 12

Prerequisite: None

Credit: 1

What's next? Instructional Practices

This course addresses knowledge and skills related to child development and growth from prenatal through school-age children equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children. This course also offers insight into child-related careers. Please note this is a one semester course receiving 1.0 credit.

553001 Instructional Practices (Intro to Teaching)

Grade Placement: 11 – 12

Prerequisite: Annual Criminal Background Check

Credits: 2

What's next? Practicum in Education and Training

This two credit course is a field-based/internship combined with classroom instruction designed to give students the opportunity to explore careers in teaching and occupations working directly with children and adolescents. Students experience the guidance and development of children physically, socially, emotionally, and intellectually. Six hours per week are in the classroom and four hours per week at the internship site, including the educational preschool located on campus. Internship experience requires students to travel independently to elementary schools, preschools, and middle schools, to plan and carry through activities while observing and recording development. This course offers training to persons interested in professions related to human development, psychology, medicine, education, and childcare. **Students enrolled in this course must provide their own transportation.**

**553051 Practicum in Education
 and Training**

Grade Placement: 12

Prerequisite: Instructional Practices, Annual
Criminal Background Check

Credits: 2

Practicum in Education and Training is a two-hour field-based/internship course designed to give students the opportunity to do an in-depth study of the physical, social, emotional and intellectual growth and development of children and adolescents through four hours classroom study per week and six hours internship experience per week. Students have 2 hours less in the classroom and 2 hours more at their internship sites than in the Instructional Practices course. Internships include the educational preschool located on campus and other sites requiring students to travel independently to elementary schools and middle schools. This course offers training to persons interested in professions related to human development, psychology, medicine, education, and childcare. **Students enrolled in this course must provide their own transportation.** This is an Honors Level course ([beginning with the graduating class of 2023[◇]](#)).

CAREER & TECHNICAL EDUCATION

Finance

To find out more about the Career & Technical Education Texas Essential Knowledge and Skills (TEKS) click [here](#).

Plano ISD Course No.	Subject	Grade	Credits
35100Q	Principles of Business, Marketing and Finance	9 – 11	1
355001	Accounting I	11 – 12	1
355101	Accounting II Honors	12	1

35100Q Principles of Business, Marketing & Finance

Grade Placement: 9 – 11

Prerequisite: None

Credit: 1

Principles of Business, Marketing, and Finance will provide the opportunity for students to gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students will analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance. Students will develop communication skills by working together on team projects, participating in class discussions and creating presentations using appropriate media. Please note this is a one semester course receiving 1.0 credit.

355001 Accounting I

Grade Placement: 11 – 12

Prerequisite: None

Credit: 1

What's next? Accounting II

Accounting is highly recommended for all students planning to major in Business in college. Students will be prepared for the Accounting I class at the university level and have the skills for an entry-level accounting job. Students will learn the general journal approach to accounting for sole proprietorships, partnerships, and corporations. Students will apply basic accounting principles to “real world” situations through the use of computers and business simulations. Students will investigate the field of accounting, including economic, financial, technological, international, social, legal and ethical factors.

355101 Accounting II Honors

Grade Placement: 12

Prerequisite: Accounting I

Credit: 1 (3rd or 4th math credit)

Accounting II is an asset for the student planning to major in Accounting, to work part-time to help pay college expenses, or to enter the accounting profession after high school. This course will provide in-depth application of the basic accounting principles as the students engage in various managerial and cost accounting activities. Students will formulate and interpret financial information for use in management decision making. The use of simulations, accounting software, and spreadsheets provide students with experience using real-world situations. **Successful completion of both semesters of this course will receive math credit.**

CAREER & TECHNICAL EDUCATION

Health Science

To find out more about the Career & Technical Education Texas Essential Knowledge and Skills (TEKS) click [here](#).

Plano ISD Course No.	Subject	Grade	Credits
55410Q	Medical Terminology	9 – 12	1
55420Q	Principles of Health Science	9 – 10	1
554431	Health Science Theory	10 – 12	1
554531	Practicum in Health Science I (Clinical Rotation I)	11 – 12	2
554551	Practicum in Health Science II (Clinical Rotation II)	12	2
554301	Pharmacology	12	1
554601	World Health Research	11 – 12	1
204101	Anatomy and Physiology	11 – 12	1

55410Q Medical Terminology

Grade Placement: 9 – 12

Prerequisite: None

Credit: 1

This course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, combining forms, singular/plural forms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology, and pathophysiology. Please note this is a one semester course receiving 1.0 credit.

55420Q Principles of Health Science

Grade Placement: 9 – 10

Prerequisite: None

Credit: 1

What's next? Medical Terminology, Health Science Theory, World Health Research, or Anatomy & Physiology

Principles of Health Science is an introductory course designed to provide students an overview of systems in the healthcare industry. Please note this is a one semester course receiving 1.0 credit.

554431 Health Science Theory

Grade Placement: 10 – 12

Prerequisite: Biology

Credit: 1 (satisfies Health requirement for graduation)

What's next? Practicum in Health Science I, World Health Research, Anatomy & Physiology, or Medical Terminology

Health Science Theory is a one-hour full-year program that provides students the opportunity for comprehensive study of human anatomy and physiology, medical terms, intro to basic patient care skills, AHA First Aid and CPR certification, as well as health career exploration. ***This course is the required prerequisite for Practicum in Health Science I & II (Clinical Rotations I & II) and Pharmacology.** Successful completion of both semesters of this course will satisfy the Health requirement for graduation.

554531 Practicum in Health Science I (Clinical Rotation I) Grade Placement: 11 - 12 Prerequisite: Biology, Health Science Theory, and qualification packet required Credits: 2 <i>What's next?</i> Practicum in Health Science II, Pharmacology, World Health Research, Anatomy & Physiology, or Medical Terminology	Practicum in Health Science I (Clinical Rotation I) is a two-hour full-year course that provides the student with a unique opportunity to explore a variety of health care careers. Students develop skills while training under the direct supervision of a licensed healthcare professional. The first twelve weeks of the course are spent in class in preparation for the clinical rotation intern experience. The remainder of the year students alternate between related classroom instruction and serving as an unpaid intern in a hospital or other health care facility. Students will become AHA Healthcare Provider CPR certified. Classroom instruction may include content designed to prepare students for Nurse Aide Certification or other healthcare certifications. <u>Students enrolled in this course must provide their own transportation.</u> Acceptance into Practicum in Health Science I (Clinical Rotation I) is based on a qualification packet.
554551 Practicum in Health Science II (Clinical Rotation II) Grade Placement: 12 Prerequisite: Biology, Health Science Theory, Practicum in Health Science I, and qualification packet required Credits: 2	Practicum in Health Science II (Clinical Rotation II) is a two-hour, full year course. Students have the opportunity to participate in unpaid clinical rotation internships at local medical facilities. Classroom instruction may include content designed to prepare students for Pharmacy Technician, or other health care certification exams. <u>Students enrolled in this course must provide their own transportation.</u> Acceptance into Practicum in Health Science II (Clinical Rotation II) is based on a qualification packet. This is an Honors Level course (beginning with the graduating class of 2023^o).
554301 Pharmacology Grade Placement: 12 Prerequisite: Biology, Chemistry, Principles of Health Science and application required Credit: 1	Pharmacology is a one-hour full-year health science course for senior level students. This course provides opportunities for the student to complete in-depth advanced studies in a specialized field of health care. Pharmacology includes content for preparing students for a pharmacy technician certification exam. Acceptance into Practicum in Pharmacology is based on a qualification packet.
554601 World Health Research Grade Placement: 11 - 12 Prerequisite: Biology, Chemistry, and Medical Terminology or Principles of Health Science Credit: 1	This course examines major world health problems and emerging technologies as solutions to these medical concerns. The course is designed to improve students' understanding of the cultural, infrastructural, political, educational, and technological constraints and inspire ideas for appropriate technological solutions to global medical care issues.
204101 Anatomy and Physiology Grade Placement: 11 – 12 Prerequisite: Biology and Chemistry Credit: 1 (science credit)	Anatomy and Physiology includes laboratory investigation and fieldwork using appropriate scientific inquiry. This hands-on course is a survey of the structures and functions of the human body and integrates the physics and chemistry concepts found in the body systems. In this course the student will investigate the body's responses to forces: maintenance of homeostasis, electrical interactions, transport systems, and energy processes. Successful completion of both semesters of this course will satisfy a science credit.

CAREER & TECHNICAL EDUCATION

Hospitality and Tourism

To find out more about the Career & Technical Education Texas Essential Knowledge and Skills (TEKS) click [here](#).

Plano ISD Course No.	Subject	Grade	Credits
55210Q	Principles of Hospitality and Tourism	9 – 10	1
552251	Food Science	11 – 12	1
55550Q	Introduction to Culinary Arts	10 – 12	1
553201	Culinary Arts	11 – 12	2
553251	Practicum in Culinary Arts	11 – 12	2

55210Q Principles of Hospitality and Tourism

Grade Placement: 9 – 10

Prerequisite: None

Credit: 1

What's next? Culinary Arts, Food Science, or Lifetime Nutrition and Wellness

The hospitality and tourism industry, as well as this course, encompasses lodging; travel and tourism; recreation, amusements, attractions, and resorts; and restaurants and food beverage service. The hospitality and tourism industry maintains the largest national employment base in the private sector. Students use knowledge and skills that meet industry standards to function effectively in various positions within this multifaceted industry. Please note this is a one semester course receiving 1.0 credit.

552251 Food Science

Grade Placement: 11 – 12

Prerequisite: Biology and IPC or Chemistry

Credit: 1 (science credit)

What's next? Culinary Arts

Food Science is the study of the nature of foods, the causes of deterioration, the principles underlying food processing and the improvement of foods for the consuming public. Food Science students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. **Successful completion of both semesters of this course will satisfy a science credit.**

55550Q Introduction to Culinary Arts

Grade Placement: 10 – 12

Prerequisite: None

Credit: 1

This course will emphasize the principles of planning, organizing, staffing, directing, and controlling the management of a variety of food service operations. The course will provide insight into the operation of a well-run restaurant. Food labs simulating restaurants are included on most campuses. The growing Hospitality and Tourism career cluster will be explored. Please note this is a one semester course receiving 1.0 credit.

553201 Culinary Arts

Grade Placement: 11 – 12

Prerequisite: None

Credits: 2

What's next? Practicum in Culinary Arts

This course is a two-hour full-year laboratory class designed for students that have a special interest in food service employment and for those students planning to pursue advanced education in hotel and restaurant management. The use of commercial kitchen equipment and the safety and sanitation factors involved in the food service industry are explored. Classroom instruction and laboratory experiences will include basic skill development in quantity food preparation. Experience is gained through preparation of meals for the onsite, East Side Bistro. Careers in the Hospitality and Tourism industry will be explored. Students will have the opportunity to develop leadership skills and compete in culinary competitions through the youth leadership organizations associated with this class.

553251 Practicum in Culinary Arts

Grade Placement: 11 – 12

Prerequisite: Culinary Arts

Credits: 2

This course is a two-hour full-year laboratory class designed for students who have completed Culinary Arts. Advanced techniques in quantity food preparation will be practiced in the commercial laboratory classroom. Some field site experiences may be arranged requiring students to travel independently to food service operations in addition to experience gained at the East Side Bistro. Emphasis will be on food service management as well as planning, preparing, and serving various meals for school and community groups. Students will have the opportunity to develop leadership skills and compete in culinary competitions through the youth leadership organizations associated with this class. **Students participating in field site experiences and internships must provide their own transportation.** This is an Honors Level course ([beginning with the graduating class of 2023^o](#)).

CAREER & TECHNICAL EDUCATION

Human Services

To find out more about the Career & Technical Education Texas Essential Knowledge and Skills (TEKS) click [here](#).

Plano ISD Course No.	Subject	Grade	Credits
55200Q	Principles of Human Services	9 – 12	1
55230Q	Child Development	11 – 12	1
552551	Family and Community Services	11 – 12	1
553801	Career Preparation I and Extended Career Preparation	11 – 12	3
553851	Career Preparation II and Extended Career Preparation	12	3
55240B	Dollars and Sense	10 – 12	.5
55245B	Interpersonal Studies	11 – 12	.5
55260B	Lifetime Nutrition and Wellness	10 – 12	.5

55200Q Principles of Human Services

Grade Placement: 9 – 12

Prerequisite: None

Credit: 1

What's next? Child Development, Instructional Practices, or Interpersonal Studies

This course will investigate career clusters with a focus on human service careers, including teaching, counseling and mental health, early childhood development, family and community and personal care services. Each student will participate in a variety of projects designed to develop personal characteristics and skills that will lead them into readiness and success in high-skill, high-wage, or high demand careers. Please note this is a one semester course receiving 1.0 credit.

55230Q Child Development

Grade Placement: 11 – 12

Prerequisite: None

Credit: 1

What's next? Instructional Practices or other Human Services cluster course

This course addresses knowledge and skills related to child development and growth from prenatal through school-age children. Students use these skills to promote the well-being and healthy development of children. This course also offers insight into child-related careers. The preschool learning center activities provide rewarding and valuable teaching experiences for students. Please note this is a one semester course receiving 1.0 credit.

552551 Family and Community Services Grade Placement: 11 – 12 Prerequisite: None, Principles of Human Services recommended Credit: 1 <i>What's next?</i> Interpersonal Studies or other Human Services cluster course	The Human Services Career Cluster focusses on preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care services and consumer services. Family and Community Services can provide a variety of experiences related to the pathway. It is designed to involve students in realistic and meaningful community-based activities through direct service or service-learning experiences. Students are provided opportunities to interact with and provide services to individuals, families, and the community through community or volunteer services. Emphasis is placed on developing and enhancing organizational and leadership skills. Students are encouraged to participate in CTE student organizations such as FCCLA and other leadership or extracurricular organizations.
553801 Career Preparation I and Extended Career Preparation Grade Placement: 11 – 12 Prerequisite: 16 years of age Credit: 3; Career Preparation I (2 credits) and Extended Career Preparation (1 credit) must be taken as a consecutive block <i>What's next?</i> Career Preparation II and Extended Career Preparation	This course provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with paid business and industry employment experiences. Classroom experiences include: job acquisition, career progression, financial success, business/entrepreneurial applications, occupational safety and health and relevant news topics. Professional portfolios will be created with material supporting an educational/career plan for the future. <u>Students enrolled in this course must provide their own transportation.</u>
553851 Career Preparation II and Extended Career Preparation Grade Placement: 12 Prerequisite: Career Preparation I and Extended Career Preparation Credit: 3; Career Preparation II (2 credits) and Extended Career Preparation (1 credit) must be taken as a consecutive block	As a second year course, it is designed to enhance key concepts of Career Preparation I. The curriculum includes cooperative learning with situational experiences applied to a variety of employment settings and career clusters. Students will perfect their professional portfolio and answer critical questions regarding educational options after high school, current employment trends, financial planning and career enhancement, and entrepreneurship. Students will have daily classroom instruction with paid business and industry employment experiences. <u>Students enrolled in this course must provide their own transportation.</u>
55240B Dollars and Sense Grade Placement: 10 – 12 Prerequisite: None Credit: .5	This vital course explores managing life independently. Areas of study include budgeting, banking, saving, investments, housing, living healthy, insurance and careers. A focus on money management and consumer practices will prevail throughout the course, including curriculum from expert Dave Ramsey.
55245B Interpersonal Studies Grade Placement: 11 – 12 Prerequisite: None Credit: .5	This course examines how the relationships between individuals and among family members significantly affect the quality of life. Students use knowledge and skills in family studies and human development to enhance personal development, foster quality relationships, promote wellness of family members, and manage multiple adult roles. Class discussion is an integral part of the class. Careers related to Interpersonal Studies will be explored.

55260B Lifetime Nutrition and Wellness

Grade Placement: 10 – 12

Prerequisite: None

Credit: .5

This interactive course allows students to use principles of lifetime wellness and nutrition to help them make informed choices as well as pursue related careers. The role nutrition plays in both professional and recreational sports will be explored. Students will investigate the relationship between food and physical, emotional, and mental health, developing a nutritional plan which meets the needs of the individual.

CAREER & TECHNICAL EDUCATION

Information Technology

To find out more about the Career & Technical Education Texas Essential Knowledge and Skills (TEKS) click [here](#).

Plano ISD Course No.	Subject	Grade	Credits
403401	Principles of Information Technology	9 – 12	1
556601	Internetworking Technologies 1 (Cisco CCNA I & II)	11 – 12	1
556651	Internetworking Technologies 2 (Cisco CCNA III & IV)	12	1
403051	Digital Media	9 – 12	1

403401	Principles of Information Technology	Principles of Information Technology (PIT) develops computer literacy skills utilized in emerging technologies and the global marketplace. Students apply word processing, spreadsheet, database, presentation, and web publishing technologies using Microsoft Office and Google Tools . PIT provides students the skills to demonstrate mastery of digital literacy associated with the computer and interest use. It prepares them to earn the globally recognized IC3 (Internet and Computing Core) certification .
Grade Placement: 9 – 12 Prerequisite: None Credit: 1		
556601	Internetworking Technologies 1 (Cisco CCNA I & II)	This course teaches networking through the PISD Cisco Networking Academy Program and prepares students for industry standard certifications. Topics include LANs, the OSI model, addressing, and routing. Students who successfully complete the first two semesters of the program are eligible to earn Cisco Certified Entry Network Technician (CCENT) certification . Students may continue this training at any Cisco Academy. This is a Distinguished Level course (beginning with the graduating class of 2023^o).
Grade Placement: 11 – 12 Prerequisite: Algebra II Credit: 1		
556651	Internetworking Technologies 2 (Cisco CCNA III & IV)	This course teaches networking through the PISD Cisco Networking Academy Program and prepares students for industry standard certifications. Topics include WANs, routers, TCP/IP addressing, routing protocols, and network troubleshooting. Students who successfully complete two years (four semesters) of the program are eligible to earn Cisco Certified Network Associate (CCNA™) certification . This is a Distinguished Level course (beginning with the graduating class of 2023^o).
Grade Placement: 12 Prerequisite: Internetworking Technologies 1 (Cisco CCNA I & II) Credit: 1		
403051	Digital Media	Students will analyze the current and emerging technologies, while designing and creating multimedia projects. Students will develop proficiency in the use of text, graphics, animation, audio, and video. Students will utilize these skills to produce a variety of projects and presentations using Web Tools and Adobe Creative Cloud applications . The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society.
Grade Placement: 9 – 12 Prerequisite: Proficiency in keyboarding and computer file management Credit: 1		

CAREER & TECHNICAL EDUCATION

Law, Public Safety, Corrections and Security

To find out more about the Career & Technical Education Texas Essential Knowledge and Skills (TEKS) click [here](#).

Plano ISD Course No.	Subject	Grade	Credits
55520Q	Principles of Law, Public Safety, Corrections and Security	11 – 12	1
555301	Law Enforcement I	11 – 12	1
555501	Law Enforcement II	12	1
555401	Forensic Science	12	1

55520Q Principles of Law, Public Safety, Corrections and Security

Grade Placement: 11 – 12

Prerequisite: None

Credit: 1

Principles of Law, Public Safety, Corrections and Security introduces students to professions in law enforcement, security, corrections, and fire and emergency management services. Students will analyze legal and ethical responsibilities of the professions and will recognize the importance of interagency cooperation. Students will use communication skills in creating, expressing, and interpreting information and ideas, and will propose solutions to address problems related to law. Students will identify the roles and functions of court systems, the correctional system, private security and agencies, and fire protection services. Please note this is a one semester course receiving 1.0 credit.

555301 Law Enforcement I

Grade Placement: 11 – 12

Prerequisite: None

Credit: 1

Law Enforcement I is an overview of the history, organization and functions of local, state, and federal law enforcement. This course includes the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, and the classification and elements of crime. Students will understand ethical behavior standards for law enforcement personnel. Students will study court cases and analyze the following: impact of court decisions, custody and interrogation, procedural and substantive criminal law, the rights of victims and witnesses, and reasonable suspicion and probable cause. Students will use field note-taking and report-writing skills and will employ procedures to protect, document and process a crime scene.

555501 Law Enforcement II

Grade Placement: 12

Prerequisite: Law Enforcement I

Credit: 1

Law Enforcement II provides the knowledge and skills necessary to prepare for a career in law enforcement. This course includes examining ethical and legal responsibilities, operation of police and emergency telecommunication equipment, and courtroom testimony. Students will develop communication skills to evaluate body language, gestures, verbal tone, and inflection and will use written skills to facilitate field note taking and report writing such as incident reports. Students will prepare testimony for court and present testimony during a mock trial. Students will understand passive, aggressive and assertive behavior and will demonstrate the use of anger management techniques to resolve conflicts and reduce anger. Students will study law enforcement procedures for serving writs, warrants, and summons, procedures pertaining to alcohol and beverage laws, driving while intoxicated and driving under the influence, and strategies for crowd management. Students will investigate and document a motor vehicle accident.

555401 Forensic Science

Grade Placement: 12

Prerequisite: Biology and IPC or Chemistry, and Law Enforcement I

Credit: 1 (science credit)

This course uses a structured and scientific approach to the investigation of crimes of assault, abuse and neglect, domestic violence, accidental death, homicide and the psychology of criminal behavior. Students will learn terminology and investigative procedures related to crime scene, questioning, interviewing, criminal behavior characteristics, truth detection, and scientific procedures used to solve crimes. Using scientific methods, students will perform fingerprint analysis, ballistics, and blood spatter analysis on evidence collected from simulated crime scenes. Students will learn the history, legal aspects and career options for forensic science. A minimum of 40% of class time will be spent in laboratory work and field investigations. This course may not be offered on all campuses. **Successful completion of both semesters of this course will satisfy a science credit.**

CAREER & TECHNICAL EDUCATION

Manufacturing

To find out more about the Career & Technical Education Texas Essential Knowledge and Skills (TEKS) click [here](#).

Plano ISD Course No.	Subject	Grade	Credits
557601	Welding I	12	2

557601 Welding I

Grade Placement: 12

Prerequisite: Agricultural Mechanics and Metal Technologies

Credits: 2

This course will allow students to fortify and increase their knowledge of welding procedures and skills used in project construction through class assignments and projects. Topics covered may include: oxyfuel cutting/heating/welding, Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Flux-cored Arc Welding (FCAW), plasma arc cutting, safety, and metal fabrication. In addition, record keeping, communication, employability, and human relation skills will be taught. This course will allow students to gain knowledge and skills that promote personal development and career success through involvement in the FFA. A course fee may be required for projects that can be taken home by the student. **This course provides instruction and training necessary for the AWS SENSE Welding Level I certification and OSHA 10-hour General Industry Certification.**

CAREER & TECHNICAL EDUCATION

Marketing, Sales and Services

To find out more about the Career & Technical Education Texas Essential Knowledge and Skills (TEKS) click [here](#).

Plano ISD Course No.	Subject	Grade	Credits
35100Q	Principles of Business, Marketing and Finance	9 – 11	1
55500Q	Entrepreneurship	11 – 12	1
55270B	Fashion Marketing	11 – 12	.5
55560B	Social Media Marketing	11 – 12	.5
55515B	Sports and Entertainment Marketing	11 – 12	.5
555801	Practicum in Marketing with Extended Practicum	11 – 12	3

35100Q Principles of Business, Marketing & Finance

Grade Placement: 9 – 11

Prerequisite: None

Credit: 1

Principles of Business, Marketing, and Finance will provide the opportunity for students to gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students will analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance. Students will develop communication skills by working together on team projects, participating in class discussions and creating presentations using appropriate media. Please note this is a one semester course receiving 1.0 credit.

55500Q Entrepreneurship

Grade Placement: 11 – 12

Prerequisite: None

Credit: 1

What's next? Any Marketing course

This course provides an overview of the process involved in starting a business and explores the resources available to help business owners in their venture. You will learn to enjoy your work, be your own boss, and make more money as you discover what it takes to plan, design, and start a profitable business venture. The primary focus of the course is to help students understand the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. Also, students will understand the capital required, the return on investment desired and the potential for profit. Please note this is a one semester course receiving 1.0 credit.

55270B Fashion Marketing Grade Placement: 11 – 12 Prerequisite: None Credit: .5 <i>What's next?</i> Any Marketing course	This course introduces students to the business side of the fashion industry. Fashion marketers plan and purchase seasonal collections and prepare budget forecasts. They are involved in the control of distribution, the organization and physical layout of the merchandise, and the visual presentation and merchandising of goods. They participate in the organization of promotional, advertising and public relations, and in customer service. While focusing on current fashion trends, students will acquire an understanding of fashion terminology, the consumers of fashion, and the specific marketing strategies used in fashion retailing.
55560B Social Media Marketing Grade Placement: 11 – 12 Prerequisite: None Credit: .5 <i>What's next?</i> Any Marketing course	This course is designed to give the student a view of social media and how marketers are integrating social media tools in their overall marketing strategy. The course will investigate how the marketing community measures success in the new world of social media. Students will manage a successful social media presence for an organization, understand techniques for gaining customer and consumer buy-in to achieve marketing goals, and properly select social media platforms to engage consumers and monitor and measure the results of these efforts.
55515B Sports and Entertainment Marketing Grade Placement: 11 – 12 Prerequisite: None Credit: .5 <i>What's next?</i> Any Marketing course	This course introduces students to the fundamentals of marketing in the sports and entertainment industries. Students will explore product branding, licensing, sponsorships, pricing, placement, promotion, event marketing, advertising, and implementation of sports and entertainment marketing plans. Students will create a football franchise using a virtual sports simulation. Students will gain an understanding of how the sports and entertainment industries impact the economy and will understand how culture and diversity affect sports and entertainment markets. Students will understand the importance of teamwork, leadership, and organizational skills. Students will evaluate and use information resources to accomplish specific tasks and will deliver presentations using appropriate media to engage and inform audiences.
555801 Practicum in Marketing with Extended Practicum Grade Placement: 11 – 12 Prerequisite: 16 years old Credits: 3; Practicum in Marketing (2 credits) and Extended Practicum in Marketing (1 credit) must be taken as a consecutive block <i>What's next?</i> Practicum in Marketing Dynamics	This course is designed for students interested in a career in marketing. The course combines classroom instruction with supervised on-the-job training where the student practices marketing skills learned in the classroom, at an approved training station (job location), with a qualified supervisor. Students are expected to maintain their marketing job for the entire school year. Instruction emphasizes essential topics such as marketing principles and practices and the functions of marketing which include: marketing-information management, selling, financing, pricing, promotion, product/service management, and distribution. <u>Students enrolled in this course must provide their own transportation.</u>

CAREER & TECHNICAL EDUCATION

Science, Technology, Engineering and Mathematics

To find out more about the Career & Technical Education Texas Essential Knowledge and Skills (TEKS) click [here](#).

Plano ISD Course No.	Subject	Grade	Credits
556101	Introduction to Engineering Design (PLTW)	9 – 10	1
556201	Engineering Science (PLTW)	10 – 12	1
556301	Aerospace Engineering (PLTW)	11 – 12	1
556351	Digital Electronics (PLTW)	11 – 12	1
556501	Engineering Design and Development (PLTW)	12	1
556901	Engineering Design and Presentation I	11 – 12	1
208001	Honors Scientific Research and Design	10 – 12	1-3

556101 Introduction to Engineering Design (PLTW)

Grade Placement: 9 – 10

Prerequisite: Algebra I or concurrent enrollment in Algebra I.

Credit: 1

This is the foundation course in a series of Project Lead The Way (PLTW.org) pre-engineering courses designed to introduce the students to the field of engineering and prepare the student to pursue a career in engineering. The major focus of the course is learning how to take an idea through a design process that will eventually be manufactured or produced. As you learn about various aspects of engineering and engineering design, such as how engineers communicate through drawing, you will apply what you learn through various activities, projects, and problems. You will use state of the art 3-D design software to help you design solutions to different design projects. Working in teams, you will learn about documenting your solutions, solving problems, and communicating your solutions to other students and members of the professional engineering community. This is a Distinguished Level course ([beginning with the graduating class of 2023^o](#)).

556201 Engineering Science (PLTW)

Grade Placement: 10 – 12

Prerequisite: Geometry or concurrent enrollment and Chemistry or concurrent enrollment is required. Successful completion of Intro to Engineering Design (IED) is recommended.

Credit: 1 (science credit)

This course is part of the Project Lead The Way (PLTW.org) pre-engineering sequence. Applying the principles of physics to various technology systems and manufacturing processes helps students learn how engineers and technicians use science, technology, and math in an engineering problem solving process. Topics covered include: mechanisms and mechanical advantage, static forces and bridge design, material properties, energy and power generation, thermodynamics, kinematics, fluid power, and creation of Robot C language programs for robotics and machine control. **Successful completion of both semesters of this course will receive science credit.** This is a Distinguished Level course ([beginning with the graduating class of 2023^o](#)).

**556301 Aerospace
Engineering (PLTW)**

Grade Placement: 11 – 12

Prerequisite: Algebra II or concurrent enrollment; Physics or concurrent enrollment; PLTW Engineering Science (POE) or Introduction to Engineering Design (IED). Engineering Science (POE) is recommended.

Credit: 1

This PLTW course is designed for independent learners with strong analytical skills who have an interest in the field of aviation and are interested in pursuing an engineering career. Aerospace Engineering is the study of the engineering discipline which develops new technologies for use in aviation, defense systems, and space exploration. The course explores the evolution of flight, flight fundamentals, navigation and control, aerospace materials, propulsion, space travel, orbital mechanics, ergonomics, remotely operated systems and related careers. In addition the course presents alternative applications for aerospace engineering concepts. Students will analyze, design, and build aerospace systems. While implementing these designs, students will continually hone their interpersonal skills, creativity, and application of the design process. Projects completed outside of the classroom are required for this course. This is a Distinguished Level course ([beginning with the graduating class of 2023^o](#)).

**556351 Digital Electronics
(PLTW)**

Grade Placement: 11 – 12

Prerequisite: Algebra I and Geometry is required. Successful completion of PLTW Introduction to Engineering Design (IED) or Engineering Science (POE) is required. Engineering Science (POE) is recommended.

Credit: 1 (math credit)

Digital Electronics is the study of electronic circuits that are used to process and control digital signals. In contrast to analog electronics, where information is represented by a continuously varying voltage, digital signals are represented by two discrete voltages or logic levels. This distinction allows for greater signal speed and storage capabilities and has revolutionized the world of electronics. Digital electronics is the foundation of modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras, and high-definition televisions. The primary focus of Digital Electronics is to expose students to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation. **Successful completion of both semesters of this course will receive math credit.** This is a Distinguished Level course ([beginning with the graduating class of 2023^o](#)).

**556501 Engineering Design
and Development
(PLTW)**

Grade Placement: 12

Prerequisite: Algebra II; Physics or concurrent enrollment; Introduction to Engineering Design (IED); Engineering Science (POE) or teacher recommendation in lieu of prerequisites.

Credit: 1

The knowledge and skills students acquire throughout their PLTW Engineering coursework come together in Engineering Design and Development (EDD) as they work to identify an issue and then research, design, and test a solution of their open-ended problem, ultimately presenting and defending their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards and develop a product. While progressing through the engineering design process, students will work closely with experts and will continually hone their organizational, communication, and interpersonal skills, their creative and problem solving abilities, and their understanding of the design process. This is a Distinguished Level course ([beginning with the graduating class of 2023^o](#)).

**556901 Engineering Design
and Presentation I**

Grade Placement: 11 – 12

Prerequisite: None

Credit: 1

Engineering Design and Presentation introduces students to the process of design as it applies to engineering fields using multiple software applications (AutoCAD, AutoDesk Inventor) and tools necessary to produce and present working drawings and model renderings. Through implementation of the design process, students will transfer advanced academic skills to component designs. Students will explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas. Students will participate in team projects, use engineering design methodologies, apply concepts of engineering to specific problems, and design products using appropriate design processes and techniques.

**208001 Honors Scientific
Research and Design**

Grade Placement: 9 – 12

Prerequisite: Concurrent enrollment in an advanced level science course and approval of instructor through application.

Credit: 1 - 3

Students will explore science and become acquainted with the scientific community, improve fundamental research skills, apply statistical analysis, and enhance oral and visual presentation techniques. Each student will be required to develop his/her own independent science research project and will learn how to structure, organize, publish, and present the project in one or more formal presentations to a panel of judges. It is required that all student independent research projects be judged. **Successful completion of both semesters of this course will satisfy a science credit.**

CAREER & TECHNICAL EDUCATION

Transportation, Distribution and Logistics

To find out more about the Career & Technical Education Texas Essential Knowledge and Skills (TEKS) click [here](#).

Plano ISD Course No.	Subject	Grade	Credits
557101	Collision Repair	11 – 12	2
557151	Paint and Refinishing	12	2
557201	Automotive Technology I: Maintenance and Light Repair	11 – 12	2
557251	Automotive Technology II: Automotive Service	12	2

557101 Collision Repair

Grade Placement: 11 – 12

Prerequisite: Application is required.

Credits: 2

What's Next? Paint and Refinishing

This is the first year of a two-year course. Students meet two hours daily for classroom and laboratory instruction. The students receive training in the fundamental and manipulative skills related to auto body repair and acquire the knowledge to become competent in the field of auto body repair. Areas covered are body frames, fender and bumper, removing windows and repairing damaged panels, replacing windows and windshields, welding light metals, filling with lead or plastic, estimating and pricing repair work, and spray painting. **This course provides instruction and training necessary for I-CAR student certification(s).**

557151 Paint and Refinishing

Grade Placement: 12

Prerequisite: Collision Repair, Application is required.

Credits: 2

This course is a continuation of Collision Repair. **This course provides instruction and training necessary for I-CAR student certification(s).** This is an Honors Level course ([beginning with the graduating class of 2023^o](#)).

557201 Automotive Technology I: Maintenance and Light Repair

Grade Placement: 11 – 12

Prerequisite: Application is required.

Credits: 2

What's Next? Automotive Technology II

This is the first year of a two-year course. The course offers students theory and experience in most all phases of automotive drive-train repair. Students spend approximately 75 percent of their time with hands-on training and the remaining time is devoted to classroom instruction. Shop management and youth leadership are also incorporated into the course of study. **This course provides instruction and training necessary for ASE student certification(s).**

557251 Automotive Technology II: Automotive Service

Grade Placement: 12

Prerequisite: Automotive Technology I: Maintenance and Light Repair, Application is required.

Credits: 2

This course is a continuation of Automotive Technology but also includes new concepts and innovations, new engine types, studies of anti-pollutant equipment on automobile engines, and computerized engine analysis. **This course provides instruction and training necessary for ASE student certification(s).** This is an Honors Level course ([beginning with the graduating class of 2023^o](#)).

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