

Plano ISD Graduation Plans

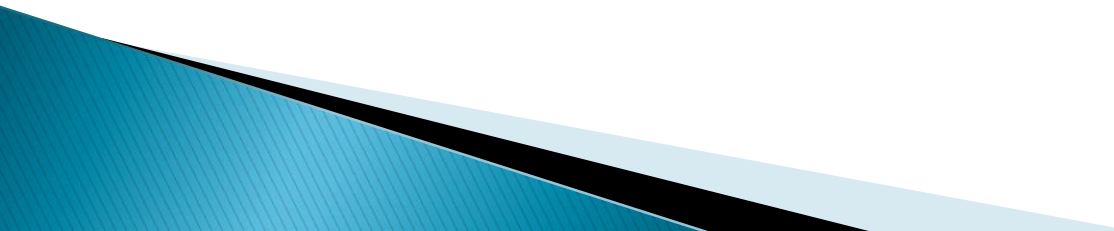
2017
Academic Planning

State Testing – End of Course Exams

- ▶ Algebra 1
- ▶ Biology
- ▶ English 1
- ▶ English 2
- ▶ US History

Foundation / Endorsement Plan Requirements


English Language Arts

- ▶ English 1
 - ▶ English 2
 - ▶ English 3
 - ▶ English 4 or choice
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Course Options for 4th year of English

- ▶ English 4
- ▶ AP English Literature and Composition
- ▶ IB English 4 HL

If taken after English 3:

- ▶ Oral Interpretation 3
 - ▶ Debate 3
 - ▶ Yearbook 3
 - ▶ Professional Communications
 - ▶ Literary Genres
 - ▶ Creative Writing
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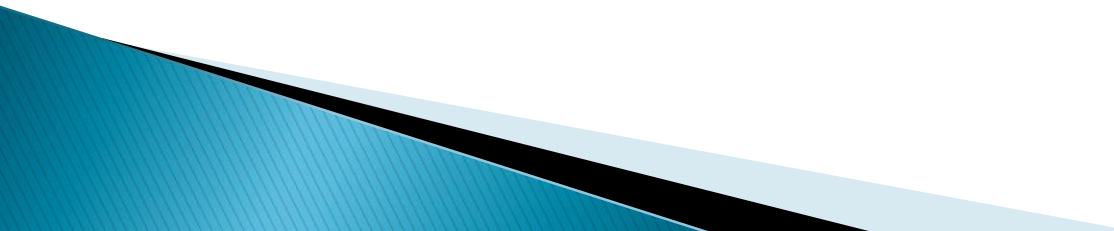
Math – 4 credits

- ▶ Algebra 1
- ▶ Geometry
- ▶ 3rd year choice
- ▶ 4th year choice

Course options for 3rd and 4th Year of Math

- ▶ Math Models
- ▶ Algebra 2
- ▶ Statistics
- ▶ Accounting 2
- ▶ Digital Electronics

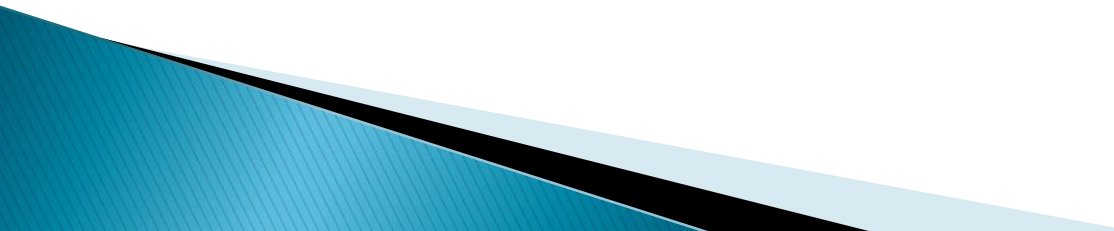
Algebra 2 is a prerequisite for the following courses:

- ▶ Precalculus
 - ▶ Advanced Quantitative Reasoning
 - ▶ AP Statistics
 - ▶ AP Calculus AB
 - ▶ AP Calculus BC
 - ▶ AP Computer Science A
 - ▶ Math Independent Study
 - ▶ IB Math Studies SL
 - ▶ IB Calculus SL/HL
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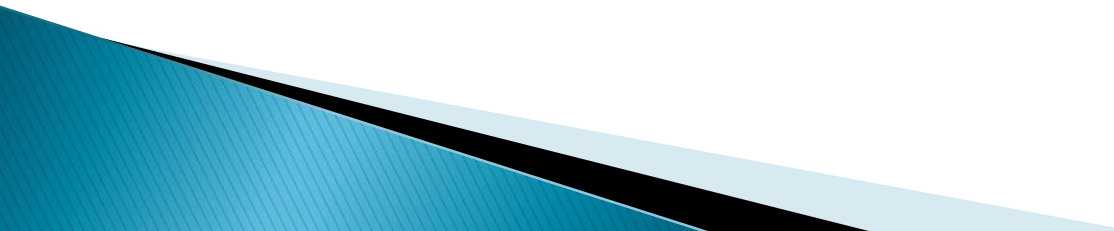
Social Studies – 4 credits

- ▶ World Geography
- ▶ World History
- ▶ US History
- ▶ Government/Economics

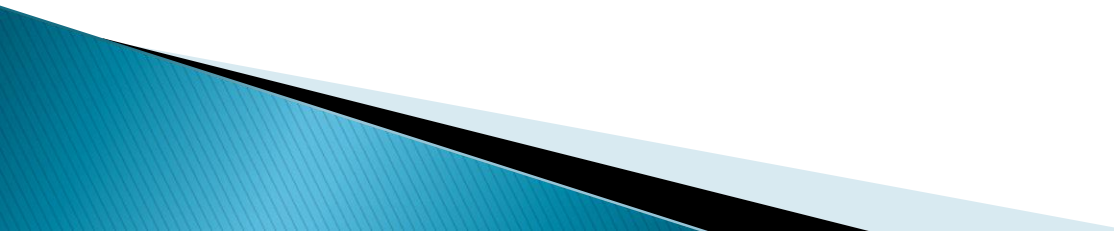
Science – 4 credits

- ▶ Biology
 - ▶ Choice – IPC or Chemistry
 - ▶ 3rd year choice
 - ▶ 4th year choice
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Course Options for 3rd and 4th year of Science

- ▶ Chemistry
 - ▶ Physics
 - ▶ Earth and Space Science
 - ▶ Environmental Systems
 - ▶ AP or IB Biology SL/HL
 - ▶ AP or IB Chemistry SL/HL
 - ▶ AP Physics 1/2
 - ▶ AP Physics C Mechanics/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
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Prerequisites

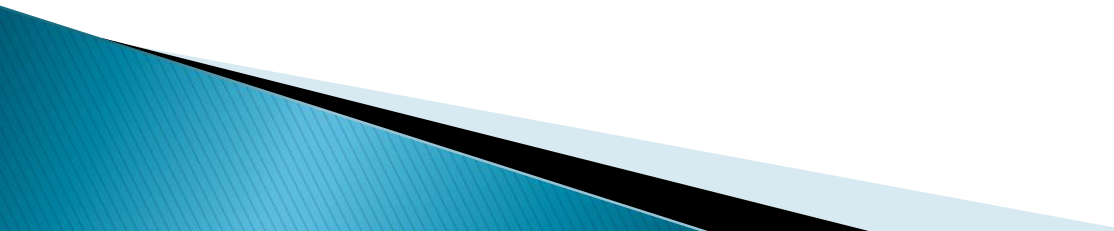
- ❖ All prerequisites must be met before taking a course.
 - ❖ ie; Law Enforcement is a prerequisite for Forensic Science
 - ❖ See the course catalog for details
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Foundation/Endorsement Requirements continued

- ▶ Health – ½ credit
- ▶ Foreign Language – 2 credits
- ▶ Fine Arts – 1 credit
- ▶ Physical Education – 1 credit
- ▶ Professional Communications – ½ credit
- ▶ Elective/Endorsement Choices – 5 credits

- ▶ Total Credits Needed to Graduate – 26
 - ❖ Students are enrolled in 7 courses per school year and have the opportunity to earn 28 credits in the 9th through 12th grades.
 - ❖ Distinguished Level of Achievement – Foundation/Endorsement Plan including Algebra 2. The Distinguished Level of Achievement must be met in order to be eligible for top 10% automatic admission to state universities.

Fine Arts Courses

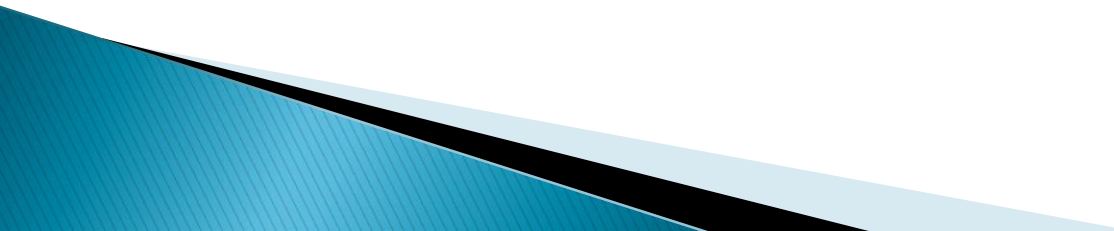
- ▶ Art
 - Drawing, Sculpture, Arts and Media Communications
 - ▶ AP Art
 - Drawing Portfolio, 2D Design, 3D Design
 - ▶ AP Art History
 - ▶ Theater
 - ▶ Technical Theater
 - ▶ Dance
 - ▶ Floral Design
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Endorsements

In order to earn an endorsement, a student must complete:

- ▶ Algebra II
 - ▶ A fourth credit in science, and
 - ▶ Two additional elective credits for a total of 26 credits
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- ▶ A student may earn more than one endorsement.

Endorsement Pathways

- ▶ Business and Industry
 - ▶ Public Service
 - ▶ STEM
 - ▶ Arts and Humanities
 - ▶ Multidisciplinary
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Business and Industry Pathway

▶ Business and Industry Career Areas:

- Database Management
 - Information Technology
 - Communications
 - Accounting
 - Finance
 - Marketing
 - Graphic Design
 - Architecture
 - Logistics
 - Automotive Technology
 - Agricultural Science
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Business and Industry Pathway

Within the requirements of the 26 required credits for graduation, a student must complete one of the concentration options below:

- ▶ A. Four credits in a CTE Concentration
- ▶ B. Four additional credits in English Concentration
- ▶ C. Four credits in a Technology applications Concentration
- ▶ D. A coherent sequence of four credits from two or more concentrations above

Public Service Pathway

- ▶ Public Services Career Areas:
 - Health Sciences and Occupations
 - Education and Training
 - Law Enforcement
 - Culinary Arts
 - Hospitality

Public Service Pathway

Within the requirements of the 26 required credits for graduation, a student must complete one of the concentration options below:

- ▶ **A.** A coherent sequence of four or more Career and Technology credits
 - ▶ **B.** Four courses in JROTC.
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STEM (Science, Technology, Engineering and Math) PathWay

▶ STEM Career Areas:

- Science
- Technology
- Engineering
- Advanced Math

STEM (Science, Technology, Engineering and Math) PathWay

Within the requirements of the 26 required credits for graduation, a student must complete one of the concentration options below:

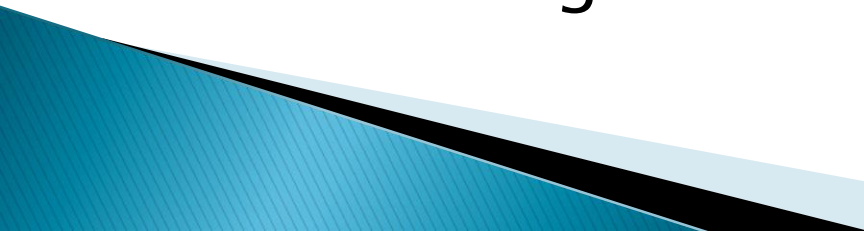
- ▶ A. 4 credits–Career and Technical Education
- ▶ B. 4 credits– Computer science
- ▶ C. 5 credits in Math including 2 for which Algebra 2 is a pre–requisite.
- ▶ D. 5 credits in Science to include Biology, Chemistry, and Physics
- ▶ E. In addition to Algebra II, Chemistry and Physics, a coherent sequence of three additional credits from no more than two of the categories above.

Arts and Humanities Pathway

- ▶ Arts and Humanities Career Areas
 - Political Science
 - World Languages
 - Cultural Studies
 - English Literature
 - History
 - Fine Arts

Arts and Humanities Pathway

Within the requirements of the 26 required credits for graduation, a student must complete one of the concentration options below:

- ▶ A. Social Studies Concentration – 5 credits
 - ▶ B. LOTE – Four credits of any language or two credits each of two different languages
 - ▶ C. Fine Arts – Four credits of any fine arts sequence
 - ▶ D. Four English elective credits
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Multidisciplinary Pathway

The Multidisciplinary Pathway consists of designated courses from several endorsement areas in each of the four Foundation subjects.

Within the requirements of the 26 required credits for graduation, a student must complete one of the concentration options below:

- ▶ A. Workforce Concentration – four advanced courses that prepare a student for the workforce or post-secondary education
- ▶ B. Foundation Subjects Concentration – 4 credits in each of the four foundation areas (English, Math, Science, Social Studies) to include English 4 and Chemistry and/or Physics
- ▶ C. Advanced Placement or International Baccalaureate Concentration – 4 credits

Foundation / Endorsement Information

- ▶ Students are encouraged to research admission requirements for colleges and universities that they are interested in attending in order to align high school course selection with those requirements.
 - ▶ The school counselor on each campus can provide assistance with questions about graduation requirements, course selection and college admission requirements.
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