

The **National FFA Organization** is dedicated to making a positive difference in the lives of students by developing their potential for premier **leadership**, personal **growth** and **career success** through agricultural education.

**Learning to Do, Doing to Learn, Earning to Live, Living to Serve.**

To accomplish its mission, FFA:

- Develops competent and assertive agricultural leadership.
- Increases awareness of the global and technological importance of agriculture and its contribution to our well-being.
- Strengthens the confidence of agriculture students in themselves and their work.
- Promotes the intelligent choice and establishment of an agricultural career.
- Encourages achievement in supervised agricultural experience programs.
- Encourages wise management of economic, environmental and human resources of the community.
- Develops interpersonal skills in teamwork, communications, human relations and social interaction.
- Builds character and promotes citizenship, volunteerism and patriotism.
- Promotes cooperation and cooperative attitudes among all people.
- Promotes healthy lifestyles.
- Encourages excellence in scholarship



It is the policy of Plano ISD not to discriminate on the basis of race, color, national origin, sex or handicap in its career 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.

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*Learning that works for America*



## Principles of Agriculture, Food, and Natural Resources (grades 9-10)

Students gain agricultural knowledge as they explore areas of animal, plant, food, agribusiness, and environmental sciences. They will develop awareness and understanding of career opportunities, personal development and leadership.

## Small Animal Management (grades 9-10)

Like pets? If so, this class is for you! Learn about selection, ownership, nutrition, re-production, health and management of a variety of small animals. You will get hands-on experience in working with a variety of small animals such as dogs, cats, birds, hamsters, small mammals and amphibians.

## Professional Standards in Agribusiness (grades 9-12)

Become a leader! Learn about personal development, interpersonal communication, entrepreneurship, leadership styles, motivation and influence, setting personal goals, time management and more.

## Livestock Production (grades 9-12)

Work with animals and learn technical skills relating to animal systems, anatomy and physiology, nutrition, reproduction, genetics, pests and diseases, and business management of livestock.

## Landscape Design & Management (grades 9-12)

Learn the technical skills involved in the design, construction, and maintenance of planted areas, the beautification of home grounds and other areas of human habitation and recreation.

## Turf Grass Management (grades 9-12)

This course is designed to develop an understanding of turf grass management techniques and practices. Residential, commercial, and athletic settings are included.

## Wildlife, Fisheries and Ecology Management (grades 9-12)

Like the outdoors? Are you interested in hunting and fishing? This course provides the opportunity to learn about boater education, angler education, and hunter education through the Texas Parks and Wildlife.

## Horticulture Science (grades 9-12)

Take this course if you are interested in learning about ornamental trees and shrubs, plant nutrition, vegetable gardening, home fruit production and garden flowers. Don't be afraid to get your hands dirty!

## Veterinary Medical Applications (grades 11-12)

Take this course if you want to learn a lot about animals! You can even get certified as a veterinary assistant! Learn about animal anatomy, disease transmission, surgical preparation, injection techniques, medical and surgical animal handling and more.

## Practicum in Agriculture, Food and Natural Resources:

### Veterinary Medicine (grade 12)

Would you like to work in a veterinary clinic or horse stable? Prepare today for a career in the field of veterinary science and intern with local veterinary clinics or equine facilities. This is a great course if you are interested in learning what it takes to be a veterinarian. **Prerequisite:** Veterinary Medical Applications or Ag teacher approval in lieu of prerequisites.

### Floral Design (grades 11-12) Fine Arts credit

Want to learn how to make floral arrangements? Learn about flower classification and identification, geometric and specialized floral designs, identification and classification of plants, and the use of artistic elements in floral designs.

### Floral Design II (Advanced Floral Design) (grade 12)

Build on the knowledge and hands-on skills attained in Floral Design. Develop more advanced floral concepts with an emphasis on specialty design and specific occasion planning.

## Practicum in Agriculture, Food and Natural Resources: Floral Design (grade 12)

Would you like a career in the floral industry? Would you like a job or internship with a local floral design business? If so, this course is for you! Apply your floral design skills through internships, job shadowing and/or employment arrangements with local floral design businesses. **Prerequisite:** Floral Design or Ag teacher recommendation in lieu of prerequisites.

## Equine Science (grades 11-12)

Like horses? Learn about the basic principles of care and training along with selection, nutrition, reproduction, health, and management of horses.

## Ag Mechanics and Metal Technologies (grades 11-12)

If you like to work with your hands, this course is for you! Learn how to use both woodworking and metal working tools and equipment. Learn about plumbing, electrical wiring, concrete construction, carpentry, fencing methods and welding.

## Welding (grade 12)

Students will increase their knowledge of welding procedures and skill in project construction. Topics include oxyfuel cutting/heating/welding, Shielded Metal Arc Welding, Gas Metal Arc Welding, Flux-cored Arc Welding, plasma arc cutting, safety, and metal fabrication. **This course provides instruction and training necessary for the ASW Certified Welder certification. Prerequisite:** Ag Mechanics & Metal Technologies