

Agriscience Pathway Course Sequence Jordan High School

Under the Agriscience Pathway students will have the opportunity to explore areas in leadership, Plant, Science, Animal Science, Agriculture Mechanics, Environmental Science, Global Agricultural and Biotechnology.

Agriculture students take several college tours and industry tours throughout the school year to explore post-secondary options related to program area as well as working with our local Agriculture Business Alliance.

We have three Career Pathways at Jordan High School under the Agriculture Pathway: Animal Science, Biotechnology, and Horticulture.

Club Association with program: Future Farmers of America (FFA)

Outside Organization Affiliations: Agriculture Business Alliance

Course Sequence:

Freshman Year (only)-

Agriscience Applications-Students study the environment, natural resources, food production, and agribusiness using the principles of biology and the physical sciences as they apply to Agriscience technology. Topics include pest management, plant science, landscaping, animal science, agricultural engineering, and leadership and Agriscience careers.

Sophomore Year (choose one per year)-

Animal Science I: Students learn the basic scientific principles and processes involved in animal physiology breeding, genetics, diseases, and nutrition. They also learn the role showmanship and marketing play in animal science careers.

Biotechnology I: provides instruction in technologically advanced world of agriculture and life sciences. Students learn about the latest techniques in plant and animal biotechnology. Topics include applied genetics, microbiology, DNA, laboratory safety, and protocol.

Horticulture I: This course provides instruction on the broad field of horticulture with emphasis on the scientific and technical knowledge for a career in horticulture. Topics in this course include plant growth and development, plant nutrition, media selection, basic plant identification, pest management, chemical disposal, customer relations, and career opportunities.

Junior Year-(Honors Credit Available for Second Level Courses)

Animal Science II

Biotechnology II

Horticulture II

Senior Year-

Advanced Studies or

Internship (Application Only)

*Veterinary Assistance Honors (Application Only)

Total = Four Career and Technical Education Courses in Agriculture Career Cluster

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