

AGRISCIENCE EDUCATION

◆ **Course offerings not having sufficient enrollment after registration will be discontinued for the 2018-2019 school year.**

Natural Resources & Ecology / Lab (9-10-11-12) One Year - 1 Credit

▶ **Approved Career and Technical Education Course**

▶ **One year of Natural Resources & Ecology will fulfill the requirements for one year of laboratory science for graduation but may not be accepted as a laboratory science for college admission.**

The course provides students a variety of experiences in the fields of natural resources and ecology. Students will explore hands-on projects and activities while studying topics such as land use, water quality, stewardship, and environmental agencies. Study of the natural world including biomes, land, air, water, energy, use and care as well as a focus on issues surrounding man's interaction with the Earth will be addressed in this course. Studies will be supplemented with computer training, use of area land labs, training workshops, and an opportunity to become involved in a related youth organization; i.e, National FFA Organization

Recreational Resources Management / Lab (10-11-12) One Year - 1 Credit

▶ **Approved Career and Technical Education Course**

▶ **One year of Recreational Resources Management will fulfill the requirements for one year of laboratory science for graduation but may not be accepted as a laboratory science for college admission.**

This course offers further scientific and practical training for a career in natural resources, but also includes agribusiness and production management. Areas of study include forestry, natural resources, horticulture, plant and animal science, horses, range management, and agribusiness training. Studies will be supplemented with computer training, use of area land labs, training workshops, and an opportunity to become involved in a related youth organization; i.e, National FFA Organization.

Wildlife and Fisheries / Lab (10-11-12) One Year - 1 Credit

▶ **Approved Career and Technical Education Course**

▶ **One year of Wildlife and Fisheries will fulfill the requirements for one year of laboratory science for graduation but may not be accepted as a laboratory science for college admission.**

This course offers further scientific and practical training for careers in Wildlife and Fisheries, but also includes agribusiness and production management. Areas of study include natural resources, plant and animal science, range management, and various areas of fish & wildlife. Studies will be supplemented with computer training, use of area land labs, training workshops, and an opportunity to become involved in a related youth organization; i.e, National FFA Organization.

Companion Animal Science / Lab (9-10-11-12) One Year - 1 Credit

▶ **Approved Career and Technical Education Course**

▶ **One year of Companion Animal Science will fulfill the requirements for one year of laboratory science for graduation but may not be accepted as a laboratory science for college admission.**

The major focus of this course is to expose students to agriculture, animal science, and related career options. Students participating in the course will have experiences in various animal science concepts with exciting hands-on activities, projects, and problems. Students' experiences will involve the study of animal anatomy, physiology, care and behavior of dogs, cats, horses, guinea pigs, gerbils, fish, amphibians, reptiles and rabbits. In addition, students will understand specific connections between animal science lessons, local experts and careers, and have the opportunity to participate in a related youth organization; i.e, National FFA Organization.

Advanced Animal Science / Lab (10-11-12)**One Year - 1 Credit**

► ***Approved Career and Technical Education Course - PENDING***

► ***One year of Companion Animal Science will fulfill the requirements for one year of laboratory science for graduation but may not be accepted as a laboratory science for college admission.***

The major focus of this course is to expose students to agriculture, animal science, and related career options. Students participating in the course will have experiences to various animal science concepts with engaging hands-on activities, projects, labs and dissections. Students' experiences will involve the study of animal anatomy, physiology, nutrition, reproduction, health, selection, and marketing. Students will learn the diverse fields of animal science and work on major projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, and livestock producers face in their respective careers. Students will understand specific connections between animal science lessons and advocacy programs that are important for the development of an informed agricultural education student. In addition, students will understand specific connections between animal science lessons, local experts and careers, and have the opportunity to participate in a related youth organization; i.e, National FFA Organization.