

Agriculture

Students have the option of taking BOTH Botany AND Zoology to fulfill their requirement for Biology.

ZOOLOGY (ANIMAL SCIENCE) - (1 science credit)

This course will cover the physiology of farm animals. Students will study the internal and external anatomy of animals, the care and use of animals, and their importance to man and society. They will study the function of internal organs, the skeletal system, functions of the hormones, the muscular anatomy, digestive system, and reproductive system. In addition, students will study the selection, nutrition, and diseases of animals. They will learn proper safety while handling and caring for farm animals, animal welfare issues will be presented and record keeping will be required. Live animals used throughout the course will include poultry and may include others in the FFA barn such as calves, hogs or sheep. **Students will be introduced to FFA and parliamentary procedure. Students will access and improve their cooperation, compassion, citizenship, ethics, humility and self-discipline with an ultimate goal of developing premier leadership skills. Students will be required to develop a Supervised Agriculture Experience (SAE) project of their choice.**

BOTANY (PLANT & SOIL SCIENCE)- (1 science credit)

This course will cover plant physiology, specifically those plants grown in the agriculture industry such as greenhouse plants, landscape plants, field crops, and vegetables. Students will study all phases of growth and reproduction of plants. In addition, students will study plant genetics, hydroponics, fundamentals of landscaping, nutritional requirements of plants and biotechnology. Furthermore, students will learn to identify plants commonly used in production agriculture and learn how to control plant pests, such as insects and weeds. They will study soil science, soil testing techniques, soil nutrients, soil maps and land measurement; they will use county soil surveys and plat books. Students will use the greenhouse and land lab for study and research. **Students will be introduced to FFA and parliamentary procedure. Students will access and improve their cooperation, compassion, citizenship, ethics, humility and self-discipline with an ultimate goal of developing premier leadership skills. Students will be required to develop a Supervised Agriculture Experience (SAE) project of their choice.**

AGRIBUSINESS MGT. & MARKETING-10th-12th (1 elective credit)

This course enables students to look at business related to agriculture, include farming, ranching, selling farm products, and buying and selling raw and processed product and technology. The students will learn to manage as well as market such items as livestock, fruit and vegetables, and other agricultural products in today's economy. The student will also learn the economics of the agriculture industry, commodities analysis, how to read a financial statement, and how to understand a variety of loans and the loan process. Enrollment in this course will allow the student to compete in FFA competitions.

Prerequisite: Botany or Zoology

AGRICULTURAL COMMUNICATIONS & LEADERSHIP-11th-12th (1 elective credit)

This class will provide an environment for those students that wish to explore various communication methods. Topics explored will be public speaking, group dynamics, career planning, personal goal setting, resume' preparation, interviewing and completing forms and applications. In addition, students will expand their leadership skills and styles, work on FFA activities and develop further their Supervised Agricultural Experience (SAE) project.

Prerequisite: Must have completed all other Agriscience courses. May take prerequisites at the same time.

Clubs and Organizations related to Agriscience & Leadership

FFA makes a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education. Students who enroll in Agriscience classes are eligible to be FFA members. Students will explore a supervised agriculture experience project. In addition, students will participate in career development and leadership contest. From time to time students will participate in community service projects. Above all, what students do in the FFA will be reflections of what they learn in the classroom.

