

AGRICULTURAL EDUCATION DEPARTMENT

Class Number: 100
Class Name: **Agricultural Technology 1 (elective)**
Length of Class: Year
Prerequisite: None
Grade Level: 9 - 12

An introductory course designed to emphasize basic concepts of agriculture and their relationship to careers in agribusiness and production. The course will emphasize the following areas: Computer applications in agriculture, biotechnology, animal science, leadership in FFA, supervised agricultural experience, career opportunities in business and agriculture, international agriculture and the global economy.

Class Number: 101
Class Name: **Agricultural Technology 2 (elective)**
Length of Class: Year
Prerequisite: Ag 1
Grade Level: 10 - 12

This course is designed for students who are interested in the many career opportunities in business and the agriculture industry. This course concentrates on developing skills through hands-on experiences, problem-solving, and decision-making techniques, field trips, and interviews with agriculturists. Students will also learn leadership skills through FFA and supervised agricultural experience programs. The course will emphasize: Animal science-production, processing, and marketing, computer applications, parliamentary procedure, crop- production, processing and marketing, carpentry, and current agricultural issues.

Class Number: 102
Class Name: **Agricultural Technology 3 (elective)**
Length of Class: Year
Prerequisite: Ag 1 and Ag 2
Grade Level: 10 - 12

This course is designed to emphasize the areas of wildlife and natural resources, marketing, and business. Learning experiences include charting and graphing, field trips, interviews with agriculturists, class discussions, and hands-on experiences. The areas of emphasis are: Natural resources and wildlife, ag. commodity marketing, ag. business, ag. sales and service, and crop production.

Class Name: **Agricultural Technology 4 (elective)**
Length of Class: Year
Prerequisite: Ag. 1,2,3
Grade Level: 11-12

This course emphasizes the areas of marketing, financial planning, job placement and retention, leadership, and entrepreneurship. Learning experiences include extensive use of computers. The major areas of emphasis will be: Job interviewing, employee skills, community development, ag. business management, ag.employment and careers, ag. mechanics/approved project.

Class Name: **Mechanical Systems (elective)**

Length of Class Year

Prerequisite None

Grade Level: 9-12

This course is designed for any student who has a strong interest in mechanics. Work is divided between the classroom and shop work. Individual projects are a large part of this year long course. Areas of major emphasis include: (limit ten per class) Engines and power trains, hydraulics, basic electricity, basic metals- welding and cutting, and concrete.

Class Name **Horticulture (elective)**

Length of Class spring semester

Prerequisite None

Grade Level 9-12

Anyone who enjoys working outdoors, landscaping, gardening, and pruning will have interest in this class. An understanding of the basics of plant growth will be covered as well as hands-on activities. The course will highlight the following areas: Plant growth and propagation, landscaping, making a bonsai tree, making a terrium, making a corsage, planting a garden, and planting and pruning trees.

Class Name **Conservation (elective)**

Length of Class fall semester

Prerequisite None

Grade Level 9-12

This course is designed for anyone interested in conservation and natural resources. Much of the course focuses on wildlife and its importance to our environment. Time is spent working outdoors with nature. Taxidermy is one of the many hands-on activities completed by the class. Units of study will include the following areas: Soil conservation, water conservation, wildlife conservation, and taxidermy.