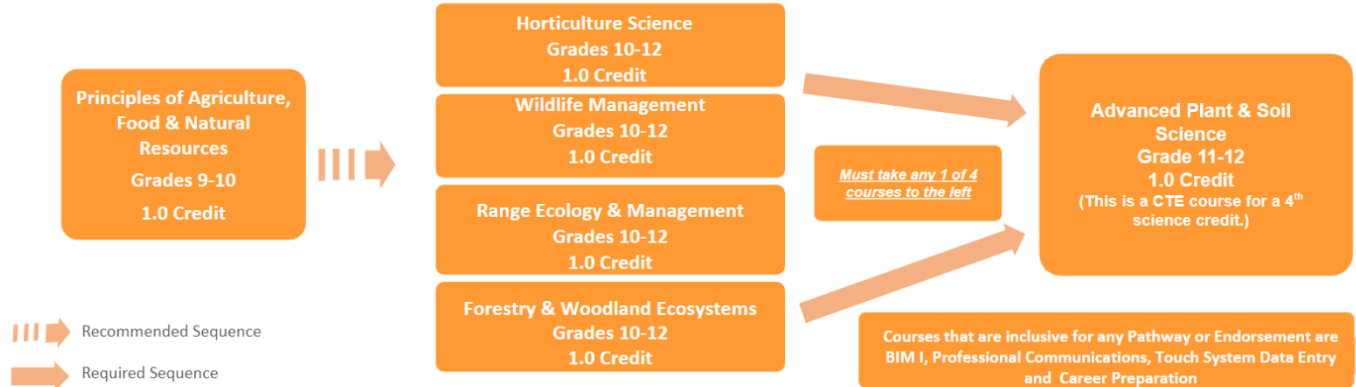


Business & Industry Endorsement

Business & Industry Pathway – Plant, Soil & Natural Resources



PRINCIPLES OF AGRICULTURE, FOOD, & NATURAL RESOURCES

KISD #: 904018 **PEIMS:** 13000200
Grades: 9-10 **1.0 Credit**
Prerequisite: None

Student will be gain introductory knowledge of all aspects in agriculture including agricultural career development, leadership, communications, personal finance, mechanized agriculture, soils, plants, animals, agricultural construction, food science, and supervised agricultural experience programs.

HORTICULTURE SCIENCE

KISD #: 905018 **PEIMS:** 13002000
Grades: 10-12 **1.0 Credit**
Prerequisite: None

Students will participate in a laboratory oriented course designed to develop skills in the production of greenhouse/nursery plants and the maintenance of plant growth and propagation structures. The course emphasizes production of fruit, nut, and vegetable crops.

WILDLIFE, FISHERIES & ECOLOGY MANAGEMENT

KISD #: 904618 **PEIMS:** 13001500
Grades: 10-12 **1.0 Credit**
Prerequisite: None

Students will examine the importance of wildlife and outdoor recreation with emphasis on using wildlife, fish and natural resources and their management. Hunter, boater, and angler safety instruction are components of this class. Research into occupational opportunities and identification and laws associated with game, non-game, fur-bearing and fish species are included.

FORESTRY AND WOODLAND ECOSYSTEMS

KISD #: 905818 **PEIMS:** 13001700
Grades: 10-12 **1.0 Credit**
Prerequisite: None

Students will examine current management practices for forestry and woodlands. Special emphasis is given to management as it relates to ecological requirements and how these practices impact the environment. Includes exploration of careers associated with the forestry system, tree identification, calculating tree harvest, and a study of the forest ecosystem.

RANGE ECOLOGY & MANAGEMENT

KISD #: 904718 **PEIMS:** 13001600
Grades: 10-12 **1.0 Credit**
Prerequisite: None

Students will gain knowledge of the management and ecology aspects of rangelands. Instruction will include the study and development of technical skills in renewable natural resources, range plants, ecosystems, water cycles, range conditions, carrying capacities, livestock management, wildlife management, and research. Information and safe working practices, recordkeeping, career exploration, and leadership will be included.

ADVANCED PLANT & SOIL SCIENCE

KISD #: 907118 **PEIMS:** 13002100
Grades: 11-12 **1.0 Credit/4th Science Credit Option**
Prerequisite: Refer to Pathway Flowchart and Biology, Integrated Physics and Chemistry, Chemistry, or Physics

Students will study the exploration of principles related to plant production and the management of soils as related to agriculture. Included in the course are experiments, laboratory explorations, and the study of soil and plant relationships that affect the production of food and fiber. This course is also listed in the Science section of the Catalog.

Advanced Grade Points: Yes