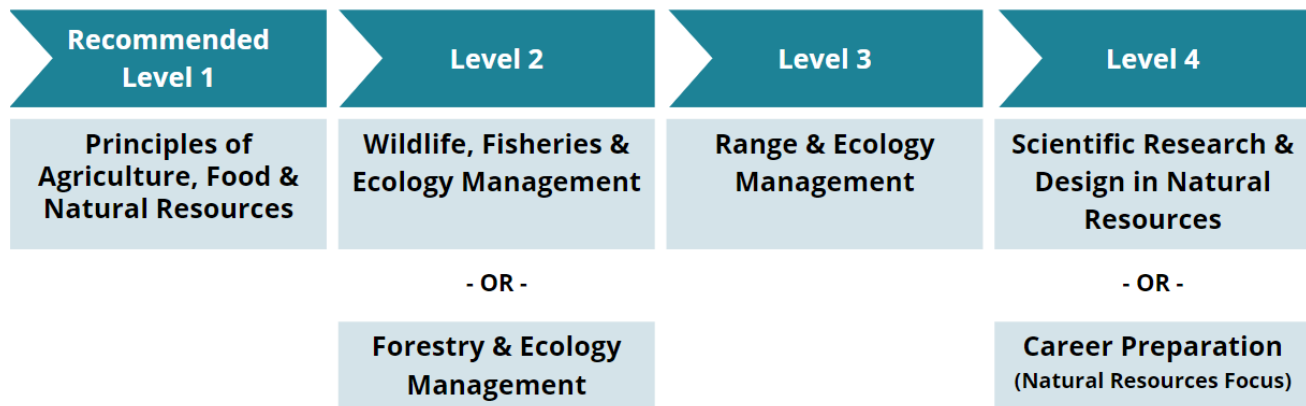


Environmental & Natural Resources Pathway



BUSINESS & INDUSTRY ENDORSEMENT



PRINCIPLES OF AGRICULTURE, FOOD, & NATURAL RESOURCES

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

Student will 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.

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.

SCIENTIFIC RESEARCH AND DESIGN IN NATURAL RESOURCES

KISD #: PEIMS: 13037220
 Grades: 12 1.0 Credit
 Prerequisite: Range Ecology and Management

Students will explore the components of any rigorous scientific or engineering program of study from the problem identification, investigation design, data collection, data analysis, formulation, and presentation of the conclusions in relation to natural resources.

CAREER PREPARATION I (Natural Resources Focus)**KISD #:** 967718**PEIMS:** 12701300**Grades:** 11-12**2.0 Credits****EXTENDED PRACTICUM IN CAREER PREP I****KISD #:** 967618**PEIMS:** 12701305**Grades:** 11-12**3.0 Credit****Prerequisite:****At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process**

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. Students are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. A student not employed at an approved training station prior to the ninth day of school shall have a schedule change removing him/her from the Career Preparation program. The student must be in a paid position and may not be employed by a relative. The student will receive an employer evaluation each grading period as one component of the nine week average.

Approval Process: Yes**Transportation Needed:** Yes