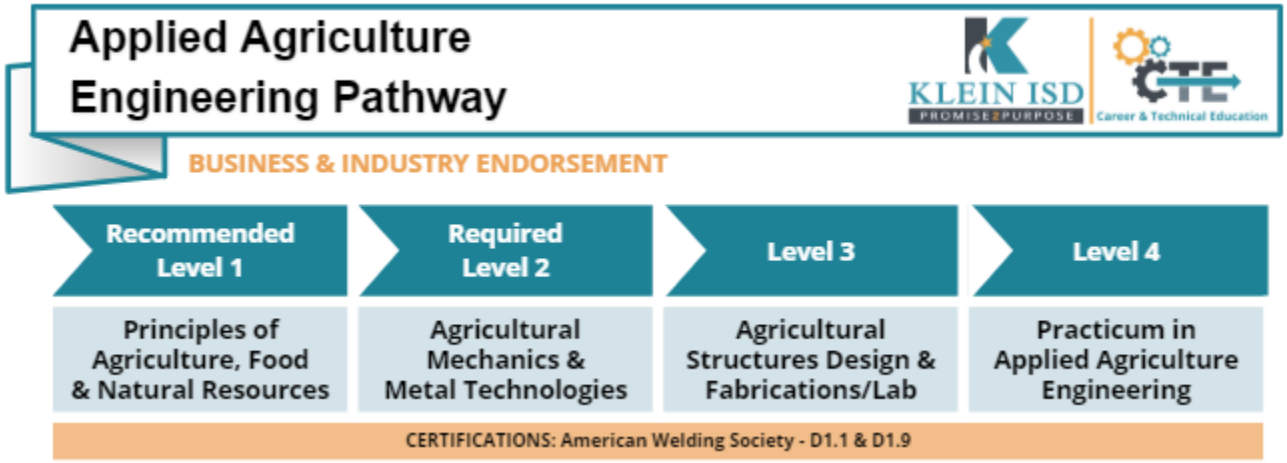

PRINCIPLES OF AGRICULTURE, FOOD, & NATURAL RESOURCES

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.

AGRICULTURAL MECHANICS & METAL TECHNOLOGIES

KISD #: 906118 **PEIMS:** 130023
Grades: 10-12 **1.0 Credit**
Prerequisite: None

Students will be introduced to basic theory and gain specialized skills in agricultural mechanics. Skills to be developed include identification and safe use of tools, carpentry, electricity, plumbing, masonry, fencing, painting, hot and cold metalworking, and welding processes. Construction of projects will be included in this course.

Required Fee/Materials: Yes

AGRICULTURAL STRUCTURES DESIGN & FABRICATION/LAB

KISD #: 907918 **PEIMS:** 13002310
Grades: 11-12 **2.0 Credits**
Prerequisite: Agriculture Mechanics and Metal Tech

Students will learn the basic principles of agricultural mechanics, including: blueprint reading and implementation, building site location, CNC drafting and application, carpentry and construction, electrical and plumbing systems, concrete and masonry construction, metal construction and large project building.

Required Fee/Materials: Yes

PRACTICUM IN AGRICULTURAL MECHANICS

KISD #: 908618 **PEIMS:** 13002500
Grades: 12 **2.0 Credits**
Prerequisite: Ag Equipment Design and Ag Structures Design and Fabrication

Students will participate in a laboratory-oriented course designed teach the basic principles of agricultural mechanics, including: blueprint reading and implementation, building site location, CNC drafting and application, carpentry and construction, electrical and plumbing systems, concrete and masonry construction, metal construction and large project building.

Required Fee/Materials: Yes
Advanced Grade Points: Yes
Industry Certification: AWS D1.1 Welding