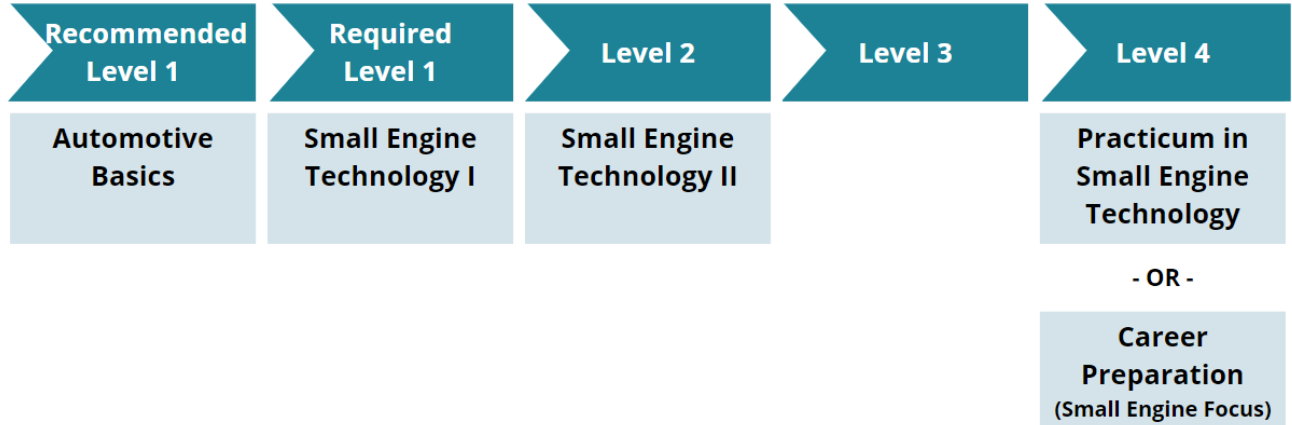


Small Engine Technology Pathway



BUSINESS & INDUSTRY ENDORSEMENT



CERTIFICATION: Briggs & Stratton Master Technician

AUTOMOTIVE BASICS

KISD #: 961118 **PEIMS:** 13039550
Grades: 9-10 **1.0 Credit**
Prerequisite: None

Students will learn basic automotive systems, the theory and principles of the components that make up each system, and how to service these systems, including applicable safety and environmental rules and regulations. The focus of this course is to teach safety, tool identification, proper tool use, and employability.

Required Fee/Materials: Yes

SMALL ENGINE TECHNOLOGY I

KISD #: 967218 **PEIMS:** 13040000
Grades: 10-11 **1.0 Credit**
Prerequisite: None

This sequential two-year program is designed to provide training for entry-level employment in the air and liquid cooled engine technology industry. Skills developed include knowledge of the function, limited diagnosis and service of the systems and components of all types of lawn care equipment and irrigation engines. Instruction consists of repairing and servicing cooling systems, air cleaners, fuel systems, lubricating systems, and starter/ignition systems. In addition, students will receive instruction in safety, academic, leadership skills and career opportunities.

Required Fee/Materials: Yes
Note: Offered at Klein High and Klein Oak High Schools

SMALL ENGINE TECHNOLOGY II

KISD #: 967418 **PEIMS:** 13040100
Grades: 11-12 **2.0 Credits**
Prerequisite: Small Engine Technology I

This course is a continuation of Small Engine Technology and will include advanced knowledge of the function, diagnosis, and service of the systems and components of all types of lawn equipment, motorcycle, marine engines, and irrigation engines. Students will repair and service cooling systems, fuel systems, lubrication systems, electrical/ignition systems, and mechanical systems. In addition, the student will receive instruction in safety, academic, leadership skills and career opportunities.

Required Fee/Materials: Yes
Industry Certification: Briggs and Stratton Master Technician
Note: Offered at Klein High and Klein Oak High Schools

PRACTICUM IN SMALL ENGINE TECHNOLOGY

KISD #: 967118 **PEIMS:** 13040450
Grades: 12 **2.0 Credits**
Prerequisite: Small Engine Technology II

Students will participate in a course designed to provide job specific skills through laboratory training and simulated work situations in areas compatible with identified career goals in small engine technology.

Required Fee/Materials: Yes
Note: Offered at Klein High and Klein Oak High Schools

CAREER PREPARATION I (Small Engine 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