

Diesel and Heavy Equipment

Creekview High School
Business & Industry Endorsement

Transportation, Distribution & Logistics

This four year plan can be used as an example to help plan your high school career.

Subject	9th Grade	10th Grade	11th Grade	12th Grade
Language Arts	English	English	English	English
Math	Math	Math	Math	Math
Science	Science	Science	Science	Science
Social Studies	Social Studies	Social Studies	Social Studies	Social Studies
CTE Courses	Introduction to Transportation Technology AND Health (Semester Classes) (1 Credit)	Diesel Equipment (2 Credits)	Diesel Equipment II (2 Credits)	Practicum in Transportation (2 Credit)
Additional Elective				
Additional Elective				
Additional Elective				

<p>Additional Graduation Requirements</p> <ul style="list-style-type: none"> • Foreign Language (2 Credits) • Physical Education (1 Credit) • Fine Arts (1 Credit) 	<p>Possible Industry Based Certifications</p> <ul style="list-style-type: none"> • ASE Medium/ Heavy Truck Technician, Brakes (T4) • ASE Medium/Heavy Truck Technician, Diesel Engines (T2) • ASE Medium/Heavy Truck Technician, Drive Train (T3) - Professional • ASE Medium/ Heavy Truck Technician, Electrical/ Electronic Systems (T6)
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Occupations	Median Wage	Annual Openings	% Growth
Bus and Truck Mechanics and Diesel Engine Specialists	\$44,574	3,150	21%
Mobile Heavy Equipment Mechanics, Except Engines	\$47,299	1,627	16%

The Diesel and Heavy Equipment program of study teaches students to diagnose, repair, modify, or redo mechanical and hydraulic equipment on crane, bulldozer, grader, conveyor, construction equipment, bus, and truck diesel engines.

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Recommended Course Sequence

Introduction to Transportation Technology

Introduction to Transportation Technology includes knowledge of the major automotive systems and the principles of diagnosing and servicing these systems. Transportation Technology includes applicable safety and environmental rules and regulations. In Transportation Technology, students will gain knowledge and skills in the repair, maintenance, and diagnosis of transportation systems. This study will allow students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. The focus of this course is to teach safety, tool identification, proper tool use, and employability.



Diesel Equipment I

Diesel Equipment Technology I includes knowledge of the function and maintenance of diesel systems. Rapid advances in diesel technology have created new career opportunities and demands in the transportation industry. This course provides the knowledge, skills, and technologies required for employment in transportation systems.



Diesel Equipment II

Diesel Equipment Technology II includes knowledge of the function, diagnosis, and service of diesel equipment systems. Rapid advances in diesel technology have created new career opportunities and demands in the transportation industry. This course provides the advanced knowledge, skills, and technologies required for employment in transportation systems.



Practicum in Transportation Systems

Practicum in Transportation Systems is designed to give students supervised practical application of knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience such as internships, mentorships, independent study, or laboratories. The Practicum can be either school lab based or worked based.