

Auto Fundamentals

Grade 11 or 12

1 Credit

based on *Auto Fundamentals* 13th Edition ©2023

This course covers auto design, construction, and operation of automotive systems. Auto systems are taught by first explaining the principle of each and then describing the parts that make them up. After completing the course, students will have a good understanding of how each automotive system functions.

LightUnit 1	LightUnit 2	LightUnit 3	LightUnit 4	LightUnit 5
Career Opportunities Safety Automotive Tools and Test Equipment	Building an Engine Design, Construction, and Application of Engine Components Engine Classification, Parts Identification	Engine Size and Performance Measurements Electrical System Fundamentals Computer Systems	Ignition Systems Fuel Injection Systems Fuel and Air Supply Systems	Cooling Systems Lubrication Systems Exhaust Systems
LightUnit 6	LightUnit 7	LightUnit 8	LightUnit 9	LightUnit 10
Emission Controls Charging and Starting Systems Chassis Electrical	Engine Clutches Manual Transmissions and Transaxles Automatic Transmissions and Transaxles	Axles and Drives Four-Wheel Drive Brakes	Suspension Systems Steering Systems Wheels and Tires	Wheel Alignment Air Conditioning and Heating