

Automotive Technology



Prerequisite: Energy, Power & Transportation System

Credits: 2

Length: 18 weeks

Course: 1811CT

Placement: 10-12

Course Description

This course is set up to prepare the student for an entry level position in the Automotive Technology field. The course covers the following areas: Brakes, Suspension and Steering, Engine Repair, Engine Performance, Manual Drive Train and Axles, Automatic Transmission and Transaxles, Air Conditioning and Heat, and Electricity and Electronics.

Student Activities

Students will be working on vehicles in BBCTA shop facility. This shop is setup like an Automotive Dealership. The shop has safety rules that must be followed to include safety glasses. Students at times will be allowed to work on their own vehicles. We also have donation vehicles and trainers that will be used to teach the student how successfully complete automotive repairs.

Certifications

Student ASE Certification in:
 Maintenance & Light Repair
 Suspension & Steering
 Brakes
 Engine Repair
 Engine Performance
 Manual Drive Train & Axles
 Air Conditioning & Heat
 Electricity & Electronics



Organizations/After School/Competitions

Ford / AAA Student Auto Skills competition fosters young people's interest in the automotive industry through a spirited nationwide competition with opportunities to win prizes and scholarships.



Automotive Club

Additional Considerations

Students need fine motor skills and mobility. Students handle sharp objects and use dangerous equipment. If seeking certification, curriculum cannot be modified.