

# CFISD Automotive Basics

## Scope and Sequence

**Course Description:** Automotive Basics includes knowledge of the basic automotive systems and the theory and principles of the components that make up each system and how to service [diagnosing and serving] these systems. Automotive Basics includes applicable safety and environmental rules and regulations. In Automotive Basics, students will gain knowledge and skills in the repair, maintenance, and servicing of vehicle systems. This study allows 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. (1 credit)

- Grades 9 – 10
- Lab supplies or fee is required.

### TEKS

Program of Study: *Transportation*

Cluster: *Transportation, Distribution & Logistics*

Endorsement: *Business & Industry*

- Meets advanced course requirement (Y/N): No
- Meets foundation requirement for math, science, fine arts, English, LOTE (Y/N-area): No

Industry Certification/Credentials: None

Instructional Units	Pacing
<b>1<sup>st</sup> Semester</b> Safety in workplace How cars work Care and ownership of vehicle Tools and Application Vehicle fluids Lubrication systems	1 <sup>st</sup> Grading Pd     2 <sup>nd</sup> Grading Pd
<b>2<sup>nd</sup> Semester</b> Fuel systems Electrical systems Cooling systems Emission systems Braking systems Drivetrain systems Alternative fuels Buying an automobile	3 <sup>rd</sup> Grading Pd    4 <sup>th</sup> Grading Pd

Primary Instructional Materials: *Modern Automotive Technology*