Automotive Basics (AUTO-043)

Syllabus Automotive Basics

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📖 Course Description

Automotive Basics

This course will provide foundational knowledge and application opportunities to prepare students to perform basic service on personal vehicles, enter the job market in an entry-level position, or continue pursuing automotive technology education opportunities. It consists of fifteen modules and a final exam module. Each module contains reading materials, videos, content guides, activities and assignments, self-checks, and unit quizzes.

Prerequisites

This course is designed for 10–12 grade high school students.

There are no prerequisites for this course.

Course Materials

All learning materials are included in the course. There are no additional textbooks. Students must download, save, access, complete, and submit weekly content guide files and assignments.

Students should have access to basic tools and a motorized vehicle, motorcycle, ATV, or lawn mower.

Course Policies

For information about resubmitting assignments, retaking exams, how long students are given to complete the course, and other questions, please contact the AK Grad instructor.

Due Dates

There are no due dates in the course. A pacing guide can be found in the course which gives a suggested timeline for completing the course.

◎Course Outcomes

As students complete the course assignments, they will increase their knowledge, improve twenty-first-century skills, and develop an attribute.

Knowledge: Automotive Basics

In this course, knowledge refers to the subject matter and content students will learn while completing the readings, practices, quizzes, and assignments.

On successful completion of this course, students will be able to do the following:

1. Demonstrate competence in safely applying Career and Technical (CTE) for basic automotive service.
2. Prepare for success by developing career skills, work experience, and leadership abilities.
3. Complete a job application, application letter, and resume, and participate in a job interview.
4. Assess personal abilities, establish goals, practice, and develop performance skill goals.

Twenty-First-Century Skill: *Critical Thinking: Design Thinking*

As students complete this course's assignments, they will gain skills in design thinking.

Attribute: Integrity

This course focuses on developing the attribute of integrity in the context of Automotive Basics.

✏Grading and Assignments

Success in this course will be based on these activities, assignments, and exams.

Assignment or Exam	Grading	Weight
Content Guides and Activities	Teacher-Graded	30%
Assignments and Projects	Teacher-Graded	50%
Module and Midcourse Quizzes	Computer-Graded	10%

| Final Exam | Computer-Graded | 10% |

Self-Checks

Self-checks are ungraded activities titled **Check Your Understanding** and are important to student success in the course.

- First, they help students know if they are ready to move on.
- Second, they prepare students for the unit quizzes and the final exam.
- Third, they are designed to be taken multiple times.

Content Guide

Content Guides: Students will complete guided notes as they work through the course. These guides will help prepare students for success. They focus on the most important concepts and follow the processes that are covered in the lessons. Each guide consists of progress reports and activities.

- The content guides contain **progress reports** where students assess personal skills, set goals, and record progress as they practice and develop new skills. The progress reports will assist students as they reflect on work-based learning experiences and update their resumes each week.
- **Activities** are assignments that are completed within each content guide. To receive full credit on the content guide, students must meet the objectives for each activity.

Content and assignment guide templates correspond with the activities and assignments. Students must follow the directions on the content pages to understand the concepts and learning goals and complete the guide. These guides should be consulted during quizzes. The templates will be submitted and scored at the end of units 1–4 and are due in modules 4, 8, 10, and 14.

Module and Midcourse Quizzes

Module quizzes are administered at the end of each module. They consist entirely of multiple-choice and true/false questions and come directly from the lesson material and the videos. Students can learn from the questions and improve midterm and final exam scores.

The **midcourse quiz** will be administered in module 8 instead of the module quiz. It will cover the content from modules 1–8 and evaluate the first half of the course.

Assignments and Projects

Assignments

Students will engage in a simulated **Repair Order Group Assignment** in module 4. This assignment will be submitted upon completion of Lesson 4.2.

Students must participate in a WBL opportunity to practice, apply the *Critical Thinking: Design Thinking* skill, and report about experiences in assignment guides. This opportunity is valuable to success in this course, career preparation, and life. **WBL Experience Assignments** will be due in modules 1, 5, 10, and 13.

The final **job preparation project** culminates skills assessments, goal setting and achievements, and work-based learning experiences. The culminating project consists of four parts:

- resume (final *Critical Thinking: Design Thinking* skill)
- job application
- application letter
- job interview

This project will showcase newly acquired skills and work-related experiences and will be due in module 15.

Final Exam

The final exam covers concepts from module 1 to module 15. It is comprehensive and is counted as 20% of the final grade.

Final Grade

The letter grade will be calculated according to these percentages.

Percent to Letter Grade Calculation	
A	100% – 93%
A–	<93% – 90%
B+	<90% – 87%
B	<87% – 83%
B–	<83% – 80%
C+	<80% – 77%
C	<77% – 73%
C–	<73% – 70%
D+	<70% – 67%
D	<67% – 63%
D–	<63% – 60%
F (fail)	<60% – 0%