

Automotive 2 - Syllabus

Instructor: Mr. Frye

Email address: jtfrye@wacohi.net

Target Grade Levels: 11th–12th.

Prerequisites: C- or above in Basic Automotive Maintenance

Course Format: Lecture, demonstrations, hands-on lab activities, assessments

Course Description

Automotive 2 builds upon the foundational knowledge and skills learned in Basic Automotive Maintenance. Students will deepen their understanding of automotive systems with a focus on diagnostics, repair, and customer service. This course emphasizes hands-on, lab-based learning using real vehicles and professional-grade tools. Students will be expected to work safely and efficiently in a shop environment, preparing them for post-secondary training and/or entry-level positions in the automotive industry.

Required Materials

- Pens or Pencils
- PPE:
 - Safety Glasses
 - Closed toe/closed heel shoes
 - Long pants (**No shorts allowed!**)

Grading Breakdown

- Lab Performance & Safety Compliance: 40%
- Daily Participation & Employability Skills: 20%
- Projects: 40%

Lab Participation Point Scoring Guide

	0 Points	5 points	10 Points
Safety	Student engages in any unsafe behavior or does not participate in shop time	Student has to be reminded to get back on task	Student engages in behaviors safe for self and classmates
Attendance	Student is absent or over 10 minutes late	Student is over 5 minutes late	Students are in class ready to begin working before the bell rings at the start of the period.
Work Ethic	Student does not engage in class work	Student engages in class work after teacher prompt	Student owns the work and works independently
Clean-up	Student does not clean their work area	Student completely cleans their work area	Student completely cleans their work area and checks/helps other classmates
Shop Work Log	Student does not complete shop work	Students attempt to complete a shop work	Students properly complete shop

	log	log, but do not include all of the proper information.	work log and include all tasks from the class period.
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Class Expectations

1. Attend class **every day**.
2. Arrive on time.
3. Come to class prepared mentally and physically for work
4. Actively participate in the class and laboratory activities.
5. Be respectful to others.
6. Take responsibility for your learning
7. Listen when the instructor is talking.
8. Complete all assignments on time.
9. Clean up classroom everyday

Lab Expectations

- A. All students will be expected to pass the shop safety test with **100%** before working in the shop!
 - B. Have all of the required classroom assignments completed and turned in on time before they will be allowed to work in the shop.
1. Wear proper PPE at all times
 2. Be professional
 3. Respect yourself and others
 4. Use equipment properly and respect school property
 5. Clean up work areas and keep tools organized in their proper box.
 6. Check out tools from the tool room
 7. Complete projects in a timely manner
 8. Do **YOUR** best and maintain good work ethic
 9. Record daily activities in shop work logs

Tentative Topics / Schedule

- Semester 1:
 - Shop Safety & Review
 - Engine Performance
 - Electrical Systems II
 - Braking Systems II
 - Suspension & Steering II
- Semester 2:
 - HVAC Systems
 - Transmission & Drivetrain
 - Advanced Diagnostics
 - Preventative Maintenance & Service Writing
 - Team Repair Project

Missing/Late Work

Unexcused Absences will receive a Zero in Skyward - work must be submitted when returned to class for no more than 70%

Excused Absences will have 2 days to submit work for full credit.

Late Work Form must be submitted for every late assignment on Mr. Frye's Google Classroom to be counted for any credit.