



Introduction to Automotive

Automotive Instructors:

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Lab and Classroom Content:

- This year-long course (36 weeks) is an introduction to automotive services and practices that will prepare students to move to the MLR program in their second year *or* for a work-based learning experience in the Automotive Industry.
- The Intro to Automotive class emphasizes the following basic principles:
 - Working in the Industry and Shop Safety
 - Tools and Equipment
 - Automotive Theory
 - Vehicle Inspection
 - Lubrication and Express Service
 - Tire Repair and Service
 - Interior and Exterior Detailing
- Instructional delivery will focus on hands-on learning and career and employability skill development using Michigan Department of Education Career and Technical standards for Automotive Technician (ASE Certified) (47.0604) standards.
- The Intro to Automotive class standards (Competency Areas) are:
 - Foundational and Workplace skills (10 weeks) (PCC: A)
 - Interior Detailing (4 weeks)
 - Exterior Detailing (4 weeks)
 - I.A,D Engine Repair (4 weeks - 50% of P-1)
 - II.A,B Automatic Transmission and Transaxle (2 weeks - 50% of P-1))
 - IV.A-C, F Suspension, Steering, and Tires (6 weeks - 50% of P-1)
 - VIII.A-E Engine Performance (2 weeks - 50% of P-1)

Resources:

- Textbook: Maintenance and Light Repair Technician, Luke D Thompson, Goodheart-Willcox, 2023
- Automotive service manuals: prodemand.com
- Class testing and material access: classroom.google.com
- KCTC PowerSchool: powerschool.kentisd.org
- KCTC website: thetechcenter.org
- Ford ACE training: highschool.fordservicetraining.com
- General Motors training: acdelcotraining.com

Work-Based Learning:

Students will explore careers and have multiple opportunities to connect their educational decisions to career options. Career awareness, exploration, preparation, and training may include field trips, guest speakers, job shadows, and job placements as part of this course.

Student Leadership Opportunities:

- Classroom leadership opportunities will be provided throughout the school year.
- Students may have the opportunity to participate in SkillsUSA, and the MATA Student Competition.
 - Students will need an instructor's recommendation to participate.

Classroom Expectations:

- Students are expected to attend class every day that their home schools are in session.
- Students are expected to be prepared with all necessary materials, and a mindset to learn.
- Students are expected to be productive the entire session. Refrain from off task activities and avoid being distracted by personal electronics (phones will only be allowed during instructor approved activities).
- Students are expected to be respectful of themselves, other students, the teacher, and classroom materials. All students have the right to learn in a safe environment.
- Students are expected to be responsible for their behavior and belongings.
- Students are expected to be ethical by doing the right thing, even when no one is looking.
- Students are expected to meet deadlines (just as you would in college as a student, as an employee, and as a citizen). Extensions are only granted for extenuating circumstances at the discretion of the teacher.

How you earn your grade:

- Grades are earned by completing tasks, online assignments, quizzes, and tests, as well as, demonstrating Going PRO skills daily. Self-motivation, time management, and collaboration with peers is a must to be successful.
- Going PRO Skills: These skills are also referred to as soft skills and/or employability skills and are traits that are looked upon favorably by an employer (Professionalism, Respect, Ownership)
- Semester grade: 30% Hands-on assignments, 30% Tests, 30% Going PRO, 10% Quizzes
- Final course grade: 100% 1st + 2nd semester grades.

Technology:

Treat all technology with the utmost of care and use for school appropriate purposes only. Failure to do so will warrant prompt disciplinary action, revoked usage privileges, and the possibility of owing replacement costs.

- Do not share your user ID or passwords.
- Cell phone usage is only permitted with the teacher's prior consent.
- No food or drink allowed at or near the workstations.
- No video or audio recording allowed in class without prior approval. This includes Google Meets and any remote online situations.
- The district's Acceptable Use Policy should be read carefully and followed.

Returning Students:

Students interested in returning for a second year of automotive training must maintain a "C" average in both semesters of their first year. Allowance may be made for extenuating circumstances through an appeals form submitted to the automotive instructors. The appeals process will last no longer than 5 school days.