

Huron High School
32044 Huron River Dr.
New Boston, MI. 48164
734-782-1436

Course Name: Automotive Service Technology

Course Number: Auto Tech I - #220
Auto Tech II - #222

Course Credit: Varies by School District

School Year: 2009/2010

Instructor: E. Clark

Course Description: This course is designed to provide students with the fundamental concepts of automotive service technology. Students will learn the basic skills necessary to understand and repair today's high tech vehicles. Major areas of study will include: shop safety practices, engine systems and break systems operations and repairs. The instructors are ASE certified. Program is NATEF certified.

The advanced section will continue to improve on studies learned in Auto Service I. More advanced work and concepts are covered with: engine performance systems, advance diagnostic systems, and chassis system operations and repairs. The instructor is ASE certified. Program is NATEF certified.

Course Objectives:

- * Students will analyze vehicles spanning several models and manufacturers.
- * Students will become familiar with the safety and environmental regulations of an automotive facility
- * Students will develop proficiency in automotive brake and electrical/electronic systems.
- * Students will answer thought provoking questions will lead to problem solving situations.

Student Competencies: NATEF Standards for Brakes & Electrical/Electronics

Required Text: Modern Automotive Technology –Goodheart/Wilcox Supplements from Automotive Excellence are also Used.

References & Other Resources:

Delmar Thompson DVD's/Videos;
Various Technical School Speakers;
Various Automotive Publications –
Undercar, Tomorrow's Technician,
Brakes & Front-ends, Import Tech.
Various Automotive Education fieldtrips

Course Advisory Committee: Members: Chairperson – Pete Nietupski, Justin Kittle, Kurt Michael, Brad Jorge, Ken Belcher, Zach Brown, Jake Tuma, current student – Darrell Garrett, Ron Lawson.

Class Assignments:

Students will work on: Practical Labs – NATEF
Worksheets – Correlate w/ book
Tests/Quizzes
On-line Safety Course
Shop Projects
Resume' Building

Final Exam:

Final Exam Criteria: Semesters – 20% of Semester grade
Trimesters - 20% of Trimester grade

Type of Final Exam: Multiple Choice, T/F, Fill in Blank and NATEF End of Program Performance Hands-On Exam.

Class Policies:

- Meet attendance requirements
- Be on time
- Be respectful and work cooperatively with classmates
- Come to class prepared
- Act with maturity and be trustworthy
- Follow all classroom and lab safety expectations
- Maintain lab activity record
- Complete all classroom and lab assignments
- Participate in lab clean-up
- Work hard everyday

Evaluation & Grading:

Courses will follow Huron High School Student Handbook. Trimesters: 80%/Term-grade and 20%/Final Exam. Semesters: 40%/QuarterX2 and 20%/Final Exam. All Final Exams are written and practical.

Course Outline: **Auto Tech I:** Safety; Tools/Equipment; Brake Systems; Electrical/Electronic Systems. **Auto Tech II:** Safety(Refresh); Tools/Equipment(refresh); Engine Performance and Adv. Diagnostics.

Articulation Agreements: Huron's Automotive Service Technology has articulation agreements with Henry Ford Community College and Wayne County Community College District.