

**Oscar A. Carlson High School**  
**30550 W. Jefferson Ave.**  
**Gibraltar MI 48173**  
**734-379-7162**

Course Name: Automotive Technology 2C  
Course Number:  
Course Credit:  
School Year: 2009-2010  
Instructor: Mr. Reisdorf

**Course Description:** Computerized Engine Controls

**Course Objectives:** Introduce students to the fundamentals of automotive drivability and emission related concerns. Meets or exceeds Michigan Department of Education Segment 12 of Curriculum Standards.

**Student Competencies:** Students will be proficient at working on all automotive computerized engine control systems safely and will be adequately prepared for ASE test A6 (Electrical/Electronic Systems) and continuing education in automotive technology at the post-secondary level.

**Required Text:** Modern Automotive Technology: ISBN 1-59070-186-0

**References & Other Resources:**

<http://www.ase.com>

[http://www.mccte-fsu.org/standards/engineering/Transportation/47.0604/Segment\\_12.pdf](http://www.mccte-fsu.org/standards/engineering/Transportation/47.0604/Segment_12.pdf)

**Course Advisory Committee:**

Cynthia Czarnik  
Randy Conway  
Malin Wagner  
Sandi Loso  
Joe Frank  
Rick Byrnes  
Dennis Conway  
William Stevenson

Jim Burns  
Ethel Cronk  
Robert McQuiston  
Dan Ezzo  
Brandon Ponder  
Jerry Danosky  
Rick Powers  
Eric Kieparek

Tony Hathcock  
Ron White  
Gerry Mroz  
Rich Kingsley  
Frank Windhurst  
Marc Shimmell  
Dwayne Cuzzort  
Bruce Gonyea

**Class Assignments:** Projects, reports, and research

**Final Exam:** 2 Final Exams.  
Hands-on final = 30%  
Book final = 70% (Book Final follows ASE standards)

**Class Policies:**

*When the tardy bell rings, all students should be in their assigned seats and ready to learn. This means being quiet and ready for attendance and/or announcements.*

*No early assignments accepted)*

*The student will retain handouts until the end of the semester.*

*Students are expected to have the following EVERY time they come to class...*

*A notebook with pockets*

*Clean unused Paper*

*Writing utensil(s)*

*Proper clothing and footwear for shop activities*

*All trash removed before the end of class and work areas CLEANED!*

*All chairs UP at the end of class*

*NO GUM!*

*Students are not to leave the classroom-area without direct permission from Mr. Reisdorf*

*Students are NOT allowed in the Tool-Room and/or Mr. Reisdorf's office at anytime!*

*Students involved in anything considered unsafe will be removed from the class and a failing grade for the semester will be submitted WITHOUT exception!*

**Evaluation & Grading:** See CHS student handbook

**Course Outline:** Computerized Engine Controls Diagnosis and Repair  
Emission Control Systems Diagnosis and Repair  
Positive Crankcase Ventilation  
Exhaust Gas Recirculation  
Evaporative Emissions Controls  
Safety, Health and Environment issues  
Employability and Career Development  
Career and Employability Skills

**Articulation Agreements:** Available only after completing  
Auto 1A, 1B, 1C, 2A, 2B and 2C