

**MOUNTLAKE TERRACE HIGH SCHOOL**  
**The Achievement, Opportunity, & Service Small School**  
**INDUSTRIAL TECHNOLOGY DEPARTMENT**  
**AUTO BASICS**  
**Semester Course Syllabus**  
**Mr. Skip Carlson, Instructor**

## **Course Description**

Auto Basics is a cool course that is an introduction to the automobile. You will:

- Discover consumer and car owner knowledge and skills that can save you thousands of dollars.
- Learn about engines and the various systems of the automobile.
- Find out about a possible career as an Automotive Technician.
- Learn that successful completion of this course allows you to register for the District Automotive Technology program at Meadowdale High.
- Be allowed to return and learn additional, new automotive knowledge and skills by taking this class more than once. Returning students will complete a curriculum contract to guide their new learnings concerning the automobile.

## **Course Objectives**

In Auto Basics you will:

- Help to create a professional working atmosphere such as in a technical college training class.
- Learn parts of the automobile and be able to know their correct location on an automobile.
- Identify the major parts of an internal combustion engine.
- Describe the operation of the 4-stroke cycle engine.
- Understand the basics of the major engine related systems.
- Understand the basics of the major chassis related systems.
- Identify the qualities of a worthwhile used car.
- Learn common car owner automotive maintenance skills.
- Learn about how to buy a used car without getting cheated or robbed.
- Be familiar with emission testing and simple automotive troubleshooting.
- Learn to work safely and responsibly in the classroom and the lab.

## **M.T.H.S. Competency Objectives**

In Auto Basics you will:

- # 3 Gather, select, interpret, organize, evaluate, and use information.
- # 6 Communicate effectively in a variety of formats to different audiences.
- # 7 Think analytically, creatively, and logically to form reasoned judgments and solve problems.
- # 9 Use assessment to improve one's educational progress and plan future growth, becoming a self directed learner.
- # 10 B. Learn and practice skills in high school that are appropriate in the work world.
- # 11 C. Explore and utilize multiple intelligences.
- # 12 Understand, evaluate, and use both applied and abstract technologies, that allow human beings to enhance our natural and artificial environment.
- # 13 Use mathematical thinking skills.
- # 15 Read, analyze, and interpret various types of written materials.

**OVER**

## Edmonds School District Framework Objectives

**Writing** Component 1: *Write in a variety of forms for different audiences and purposes.* To meet this standard the learner will do both written work and graphical sketches of auto parts as assigned including identifying labels.

**Reading** Component 3: *Read different materials for a variety of purposes.* To meet this standard the learner will read and interpret written technical information and apply it in assignments and on automobiles as assigned.

**Communication** Component 3: *Use interpersonal communications strategies and skill to work effectively with others.* To meet this standard the learner will work cooperatively with other members of the class to help solve technical problems and help keep our lab and classroom organized.

**Mathematics** Component 1.2: *Use tools for measuring time and weight, as well as other attributes such as the size of computer storage (units of bytes, KB, MB, ...) and cost.* To meet this standard the learner will do automotive related mathematical computations and also use measuring instruments to accurately measure engine parts and other auto related parts.

## Attendance/Participation Policy

School rules will apply. It is extremely important to attend this class every day and be on time prepared to work and learn. Steady, daily, appropriate participation is very important for success in this class. **One third (33.3%) of your grade is based on the class Self-Discipline & Participation (SD&P) Policy.** You start the semester with 100% in your "account" and spend 5% for each unexcused absence and 3% for each unexcused tardy. Spent participation points can be earned back if you desire. See instructor for specifics.

## Late Work Policy

There are deadlines on the units to help you work at a reasonable pace to ensure success in the class. Work turned in late will receive a lower score and will affect grading in a negative manner. It is important to continue to complete work and turn it in, in a steady manner before deadlines, throughout the semester.

## Grading Policy

Grading will be based on assignments, units, portfolio, attendance, and participation. **"A" students come to class every day, on time, and accomplish an assignment or part of an assignment every single day working steadily toward the goal of their increasing automotive literacy. Remember that attendance and participation counts for 33.3% of your grade as listed above.** Advanced student individual projects will be graded for compliance with the signed project contract. The following grading point scale will be used for assignments, units, tests, and portfolio:

	87-89% = B+	77-79% = C+	60-69% = I or F
93-100+% = A	83-86% = B	73-76% = C	0-59% = F
90 - 92% = A-	80-82% = B-	70-72% = C-	

## Teacher Contact

My email address is carlsons@edmonds.wednet.edu. Please use email as your main communication system. I have voice mail however it is difficult for me to access. It is located at 425-670-7311 ext. 5047. If telephoning you will probably have more success at 425-670-7311 ext. 5639 because the phone actually rings. My desk is close to that phone and I always try to answer it if I'm there. I will try to reply to your email as soon as possible.