

COURSE NUMBER: 458
COURSE TITLE: Car and Home Maintenance
COURSE LENGTH: Semester, One Credit
PREREQUISITE: None
GRADE LEVEL: 10, 11, 12

COURSE DESCRIPTION:

This course is designed for the student wishing to learn how to do basic maintenance on an automobile and home. Course content will be kept basic and lab work will also be very general. Trouble shooting will be taught as part of this course.

COURSE RATIONALE:

A persons automobile and home are typically the two largest personal investments. This course is designed for the student who knows very little about the mechanical systems of an automobile and home, but wishes to understand the importance and basic maintenance procedures to save on major repairs. This class will give students a better understanding of what is required in the field of car and home maintenance and repair.

METHOD OF INSTRUCTION:

The course will be taught using films, field trips, lab work, demonstrations, lectures and discussions.

ASSESSMENT:

25% class participation, 25% tests, 25% demonstrations, 25% maintenance log

CRITICAL OBJECTIVES:

1. basic theory of a 4-cycle engine
2. basic operation of an automobile
3. basic maintenance of an automobile (hands on lab of checking fluids, changing oil and filter, changing tires and checking lights).
4. safety and correct tool usage
5. basic maintenance of a home, including: plumbing, electrical, heating and cooling, winterizing and general repairs.