

Automotive Technology I

Course Syllabus

1. Course Description

One term (1/2 credit). Elective open to grades 9, 10, 11, and 12th. Automotive Technology I is a course with Major Outcomes in Theory of operation of:

- Servicing of automotive engines and related systems
- Prerequisite to Technical Systems in Automotive Technology I

Instructional Focus: Theory of operation and related mathematics through hands-on activities

2. Course Outcomes

A. Safety

1. Understand and demonstrate proper safety procedures in the area of dress, eye hazard, behavior, and accident procedures
2. Understand and demonstrate safe operation of equipment and tools.
3. Understand safe handling and disposal of hazardous materials.
4. Understand and demonstrate safe storage and handling of flammable materials.
5. Understand and demonstrate proper shop maintenance and organization.

B. Principles of Operation

6. Identification of the basic components of automotive engines and related systems
7. Understand and explain the operation of automotive engines and related systems
8. Understand and explain the operation automotive engines and related systems
9. Understand and explain the advantages and disadvantages different types of automotive engines and related systems
10. Demonstrate knowledge of operation automotive engines and related systems

3. Assessments

- a. 25% Quizzes, test and final exam.
- b. 50% Assignments and laboratory activities.
- c. 25% Attendance, clean up, cooperation and attitude.
- d. Extra Credit determined by instructor of none required work

A= 100-90%

B= 89-80%

C= 79-70%

D= 69-60%

F= 59% or below

4. Posting of Grades

- a. Grades will be posted on A-H Connect and updated every week or two depending on student workings.
- b. If more frequent grade identification is need it can be obtained threw e-mail. francis.kratochvill@anoka.k12.mn.us
- c. 763-506-8479

5. Materials

- a. Notebook, folder, and writing utensil
- b. Clothing to wear during lab activates
- c. Safety Glasses