

Name of School:

Name of Course: **Advanced Auto**

Instructor Information

Name:

E-mail address:

School phone number:

Web page address:

Best times to be reached:

Course Description

A continuation of basic auto mechanics, this course deals with service procedures and repair techniques. The use of modern diagnosis protocols dealing with computerized controls will also be covered. Occupational outlook and preparation are stressed.

District Standards and Power Benchmarks

Power Standards

Students will be able to:

1. Perform service of major automotive systems.
2. Integrate safety in all facets of the automotive classroom and lab.
3. Assess vehicle condition.
4. Evaluate the need for automotive specialty tools.

Power Benchmarks

Students will be will able to:

1. Use tools and equipment safely while following all safety regulations.
2. Evaluate engine drivability with use of scanner, sensor testers, and fuel service equipment.
3. Incorporate advanced tire service techniques.
4. Perform cooling system services.
5. Service the brakes system.
6. Perform drive train service.
7. Compare suspension, steering, and wheel alignment fundamentals.
8. Evaluate the charging and starting systems.
9. Demonstrate basic auto body techniques.
10. Investigate the need for alternative fuel sources.

Course Information

Advanced Automotive is a 9 week course.
Elective Course
.5 credits
Prerequisite: Basic Automotive

Course Outline/Calendar

Students will be able to:

1. Perform service of major automotive systems.
 - Perform cooling system services.
 - Diagnose the brakes system.
 - Perform drive train service.
2. Integrate safety in all facets of the automotive classroom and lab.
 - Use tools and equipment safely while following all safety regulations.
3. Assess vehicle condition.
 - Evaluate engine drivability with use of scanner, sensor testers, and fuel service equipment.
 - Compare suspension, steering, and wheel alignment fundamentals.
 - Evaluate the charging and starting systems.
 - Investigate the need for alternative fuel sources.
4. Evaluate the need for automotive specialty tools.
 - Incorporate advanced tire service techniques.
 - Demonstrate basic auto body techniques.

Text/Other Required Materials/Resources

ALL students will be required to provide safety glasses (Z-87 approved) with clear lens and side shields. A three ring binder may be required to file all class work as a working study guide. Students also are recommended to bring old clothes for lab work. (old blue jeans, sweat pants, tennis shoes, and or cover-alls) Students will be required to reimburse the department for tools that are missing or damaged through abuse. Students and parents/guardians will be required to read, sign, and return a signed parental form.

Instructional Procedures & Support

Advanced automotive students can learn in a variety of settings. Lecture, demonstration, cooperative learning, chapter review questions, worksheets, and hands on lab work all are some of the methods of instruction. All advanced automotive students are expected to come to class everyday and on time. ALL assignments are to be turned in completed on time. ALL make-up will follow student handbook. Make-up work is the student's responsibility.

Classroom Management Procedures

Be to class on time daily.
Have notebook & pencil every day.
Stay on task.
Treat others with respect at all times.
No cell phone or electronic device use

Assessment Plan

Grades will be given for: daily performance, written quizzes, tests, projects and notebook.

Grading System

A	93 and above	Firm command of knowledge domain
A-	90 – 92	High level of skill development Exceptional preparation for later learning
B+	87 – 89	Command of knowledge beyond the basic concepts of knowledge
B	83 – 86	Advanced development of most skills
B-	80 – 82	Has prerequisites for later learning
C+	77 – 79	Command of the basic concepts of knowledge
C	73 - 76	Demonstrates ability to use basic skills
C-	70 – 72	Lacks a few prerequisites for later learning
D+	67 – 69	Lacks knowledge of some fundamental ideas
D	63 – 66	Some important skills not attained
D-	60 – 62	Deficient in many of the prerequisites for later learning
F	59 and below	Most of the basic concepts and principles not learned Most essential skills have not been demonstrated Lacks most prerequisites needed for later learning