

## Auto Mechanics 2

**Instructor: Mr. Kalblinger    Grade 11-12    Room 1729    2 Terms**

### **Course Content**

Auto 2 is a course designed to help students learn fundamental knowledge and skill in automobile engine tune-up and chassis repair. They will experience using a sun scope and front-end alignment machines. Students learn proper tool usage, and safety practices used in the auto mechanics field. Students will learn operation and repair procedures for electrical circuits, automotive computers, and electronic fuel injection systems. All course work is designed to help students who are: 1) interested in maintaining and making repairs on their own cars, 2) planning on entering an automotive related field for a career, and/or 3) increasing their knowledge base to become better informed automobile owners. Power Drive Electric Car principals and construction concepts will be considered and applied.

### **Grading**

The term grade will consist of the classroom and notebook grade counting approximately 50% and 50% reflecting the lab work personally done by the student. Absence work must be made up. Lab grades will total as much as 600 points per term. Each student must keep on task and get involved in doing the activities provided in the classroom and lab. If a student has completed his tasks, it is his responsibility to ask the instructor for an additional activity.

**Classroom Grade:** The classroom grade will be based on the student's overall average of his or her daily assignments, quizzes, note taking in an automotive note book, classroom participation, and unit tests.

**Lab Grade:** After passing the CDX unit test the student will work on unit lab activities. The lab grade will be based on the individual student's completion and QUALITY of work done in the shop. Safety practices, tool and shop clean up, and conduct will be reflected in lab grades. Each full working day in lab equals 40 points of credit.

### **Fees**

There is a \$10.00 shop fee for this class that needs to be paid to the Activities Office within the first 2 weeks of class.

### **Attendance and dress**

N.P.H.S. attendance and dress policies will be adhered to. A tardy (less than 10 minutes) is allowed 1 free tardy per term while 2<sup>nd</sup> will be a reminder/warning. Each additional tardy the student will serve detention that evening or next morning. The 3<sup>rd</sup> tardy - 15 minutes detention. Parent notification. Time is doubled if skipped. 4<sup>th</sup> tardy - 30 minute detention and parent notification. 5<sup>th</sup> tardy - Office referral. Safety glasses are worn in the shop. Students please use the restrooms during passing periods. Hall passes and Destination sheet are to be filled out each time. No sandals in the shop. Good work shoes or boots and protective clothing are recommended. Cars that go in and out of the shop must be driven slow and safely. All drivers must possess a valid driver's license or school permit. Drivers must return from parking your car to clean shop then depart from class.

### **Teacher's philosophy**

My passion is for students to learn. Seeing their eyes light up when they understand a new concept is my greatest joy. I will listen with interest to student ideas. I will provide a quality learning environment and a fun environment for students to explore many new engineering concepts included in our modern automobiles. To me "failure is not an option"! I am here to prepare you for successful employment and a bright future. There are many career pathways that evolve from successful mechanical training. Let's start building a solid foundation for employment!

### **Student responsibility and behavior**

Students are expected to comply with all reasonable requests of the teacher and to show respect and cooperation to staff members fulfilling their instructional and supervisory role. I will do likewise, even if a need arises to visit with a student in private.

The Automotive rules are:

1. Show up on time and be in your seat when the bell rings.
2. Be prepared by bringing your completed assignments, textbook, and a notebook for notes and writing materials daily.
3. Personally complete assignments with passing grades.
4. Respect you're own and others' life space.
5. Safety glasses are worn in the shop. Protective clothing is encouraged. Lockers are provided.
6. Students use the restrooms during passing periods. Students must sign out and back in for emergencies.
7. No sandals in the shop. Good work shoes or boots and protective clothing are recommended.
8. Cars brought into the shop are to be driven by their normal operator.
9. Drivers must possess a valid driver's license.
10. Cars must be driven slowly and safely in and out of the shop without revving engines or squealing tires.
11. Drivers are required to return to the shop from parking their car and then to help clean the shop.
12. No "horse play" and no bypassing safety rules. Report accidents immediately to instructor.
13. No cursing or yelling. No stereos are to be played.
14. Exhaust hoses are to be attached to car tailpipes before starting a motor.
15. The instructor is to supervise placement of a vehicle on jacks, jack stands, or hoist before repair begins.
16. Cars brought in class must comply with all school rules. No illegal substances or no guns, knives, clubs etc. The law requires that I report it to the police.
17. All students are to clean their shop work area as well as do their designated clean up duty each day.  
Clean up is graded each week.

### **Extra curricular activities**

All students have an opportunity and are encouraged to join Skills USA, a student organization for Industrial Technology Education students. It develops hands on skills and leadership skills. Other great activities include the Power Drive Electric Car and Ford AAA Auto Skills.

### **Pledge agreement**

**We as students and parents or guardians dedicate ourselves to the educational process. We have read and agree to the above responsibilities and will follow all the safety rules.**

Student (print) \_\_\_\_\_

Student (signature) \_\_\_\_\_ Date \_\_\_\_\_

Parent or guardian (print) \_\_\_\_\_

Parent or guardian (signature) \_\_\_\_\_

Date \_\_\_\_\_

Parent or guardian work phone \_\_\_\_\_ home phone \_\_\_\_\_