

## **Outdoor Power Equipment Course Outline**

### I. Course Description: Outdoor Power Equipment (Prerequisite: None)

One Term ( 1/2 credit): Elective open to grades 9, 10, 11, & 12. This class is designed to provide theory and practice in the area of small engine mechanics. Learning basic small engine principles, tool identification, engine disassembly and reassembly, and trouble shooting will be required.

### II. Course Outcomes: (Course requirements)

1. Using a disassembly sheet, the student will disassemble a 4 stroke cycle engine. There will be stopping points where the student will call over the instructor and the instructor will go over that part of the engine and it's purpose.
2. The student will clean all internal parts.
3. The student will measure internal parts and be assessed using this knowledge.
4. The student will machine parts of the engine.
5. Using a reassembly sheet, the student will reassemble the engine. There will be the same stopping points, and using trouble shooting techniques, get the engine running.
6. The engine must be put back together the same way it came apart. This will also affect your final grade.

### III. Assessment:

- A. 10% Final Exam
- B. 10% Measurement
- C. 20% Daily Work - Book work, quizzes, and daily work
- D. 60% Shop work- work in the shop, attitude, behavior, and clean up.
- E. Since this class has become a CTE course, attitude, behavior, and attendance will be part of the grading system.

### IV. Materials Needed:

The students will be given tools at the beginning of the class. The student is responsible for the tools. If they are lost or damaged, they will pay for the tools.

Notebook, pen/pencil, **Parent Signature:** \_\_\_\_\_

V. Office Hours:

I am available before and after school from 7:15 AM to 2:50 PM. I do coach so those hours may vary during the spring.