COON RAPIDS TECHNOLOGY EDUCATION

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**TECH. ED. DEPARTMENT POLICIES**

* No hats or jackets are to be worn or brought to class
* No computer games to played at all.
* No **CD PLAYERS**, **I PODS or CELL PHONES** are allowed in class
* No **POP or SODA**, or any other beverage to be brought to class
* If the teacher is speaking – students are listening
* Any student turning in an assignment that breaks school policies on content will be given a referral to the office. –
* Tardies – you will be held accountable to the Coon Rapids High School’s policies
* Working outside of the school day see your teacher for availability.
* **In some Tech. Ed. Courses there will be upgrades in materials that will need to be paid for (above base material or required).**

**TECH. ED. GRADING POLICIES**

* A= 93% and above A- = 90-93%
* B+ = 87-89% B = 83-87% B- = 80-83%
* C+ = 77-79% C = 73-77% C- = 70-73%
* D+ = 67-69% D = 63-67% D- = 60-63%
* F = 59% and below
* Grades will consist of tests, quizzes, lab activities, assignments, participation and attendance.
* All Class work must be completed to work in the lab or arrangements made prior to the lab.
* Job Skills will be 10% of the Final Course Grade. Job Skills consist of Attendance, Tardies, Cell Phone or Ipod use during class time, Behavior, Work Ethic, Following of Safety Procedures, and Attitude.
* All students will be assigned a cleanup job to perform at the end of each lab which is graded as an assignment.

**TECH. ED. MATERIALS NEEDED EVERYDAY**

* Pen or Pencil
* Folder
* Notebook
* Thumb Drive for computer classes
* Appropriate clothing for work in class – See instructor for complete list of appropriate clothing as different classes have different requirements.

**Outdoor Power Equipment**

**Out of Class Work**

Each class leads to the next day’s activities, therefore attendance is a must!!!! Students will have access to Google Classroom to view the Power Points used in the classroom to study for the tests. It is anticipated that there will be homework using the Power Portal site to enhance the learning from the classroom and studying for tests. The code for access will be given in class for both websites. If students are falling behind on the engine the shop is open every morning before school except Wednesdays and After School most days Monday – Thursday. The first 2 Tuesdays of each month I do have meetings after school and are unavailable. The last Tuesday of each Month I also have a meeting before school and am unavailable.

**Course Description:**

This course is designed to give students the basic skills and knowledge associated with Outdoor Gas Power Equipment Repair. Students will develop repair skills through hands-on-experiences. An understanding of the principles of engines will be learned through lectures, readings, activities, and demonstrations.

**Course Content:**

The course will cover areas of safety with engines and concerns in the shop. Students will be learning names of tools and parts common to engine repair. Other topics covered will be: Valve trains, lubrication systems, cooling systems, ignition systems, fuel systems, maintenance, and engine performance measurements. Students will be following the Briggs and Stratton Certified Training program. Students will be using the online Briggs and Stratton Power Portal for Instructional and Testing Purposes. Login Information will be assigned in class within the first 2 weeks of the term, usually the first week. Students will be partnered in the lab assigned a school engine, locker, and tools. Lost or damaged parts to the engines or tools students will be responsible for replacement costs. Engines are complete and running when given to the students and are required to be returned in the same condition. If students wish to bring in their own engine they must see the teacher for approval of the suitable engine which must meet all the requirements needed for the class.

**Course Outcomes:**

**\*** Upon completion students will be able to disassemble and reassemble small gas engines. Reassembly is not achieved until engines run correctly.

**\*** When finished with the course students will be able to explain the principle of all engine systems.

**\*** Students will be able to trouble shoot engines and perform the necessary repairs.

\* Students are able to achieve Briggs Certification through the Briggs Power Portal Testing. Requirements for passing will be discussed in class.

\* Lab procedure proficiency will be achieved through repetition of procedures during the labs.

**Additional Materials Needed For Class:**

**\*** For students who lose or damage parts or tools the costs of replacement will be discussed with the students and can be covered through the purchase of shop cards through the Finance Office. The process will be discussed in class.

\* Fuel and Oil will be provided for the school engines. If a student has brought in their own engine they will need to provide their own oil. Fuel will still be provided.

**College Articulation Agreements**

College Articulation Agreements are available upon completion of the class. To achieve students must have an 80% or better with no more than 5 absences or tardies unexcused or excused in the class. The colleges offering the credits will be discussed in class. Students will track their credits through ctecreditmn.com website after setting up an account which will be done in class by the end of the second week of the term.