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.

**Out of Class Work**

Most assignments will be completed in class. Therefore attendance is a must!!!! It is important to work hard in class. Work ethic, behavior, attendance, and attitude affect the learning that takes place! It is not a social time, but rather a work place. Articulated Credit is available in the level 2 class. Therefore, it is important to work hard in level 1 to be set up to achieve the high level of success in the level 2 class to receive the articulated credit.

**Metals 1**

**Course Description:**

This course is designed to give the students basic skills and knowledge of metalworking. Students will develop skills through hands on experiences. An understanding of metalworking operations, equipment, and techniques used in industry will be learned through lectures, demonstrations, and hands on experiences.

**Course Content:**

The course will cover the following areas: Safety, Gas Welding, Wire Welding, Sheet Metal Working, and Foundry. Labs are done in a rotation format that lasts 7 days with the final project due at the beginning of the following day as they will move to a different lab area. In the welding areas the first six days are used for skill development with a final test piece completed on the last day. The student will complete a project in each of the four areas with a fifth project to their design at the end of the term for their final project. The final project is combining skills learned from the different lab areas as well as addition of some skills needed to complete the project.

**Course Outcomes:**

\* Upon completion students will be able to fusion weld and braze using oxy-acetylene.

**\*** Upon completion students will be able to weld a project together using wire feed welders.

**\***Upon completion students will be able to follow a set of plans to complete a project.

**\***Upon Completion students will be able to properly finish a casting from pattern to finished project.

**Materials Needed For Class:**

**\*** Protective clothing - A long sleeve shirt to put on when working in the lab is needed. The shirt must be made of a natural material such as cotton. Student must wear pants and closed toed shoes at all times in the classroom. Long hair must be tied back. Excessive hair gel and spray can be a safety hazard. Further clothing and safety issues will be discussed in class.

**\***  Students will need to pay for the materials that are used during the making of the fifth project (final project) which is built to the students design and liking. This project is only completed after the four required areas have been completed. Payment will be made through the purchase of shop cards from the financial office before school or after school. Students will not be allowed to start on the project until payment is received. If students do not have the shop cards and are ready to start they will be given a book assignment. Students will not be allowed to go to the financial office during class. They must get the shop cards before class during passing time, before school, or after school.

**\*** It is recommended that students have their own tape measure. Having their own has been found to increase accuracy and speed their production as they are not having to wait for one to be available sharing.