



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 be played at all.
- No **CD PLAYERS, IPODS 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 – 100% - 90%
- B – 89% - 80%
- C – 79% - 70%
- D – 69% - 60%
- F – 59% or below
- **Grades will consist of tests, quizzes, activities, assignments, participation and attendance.**

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!!!!

Metals III

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, Shielded Metal Arc Welding (SMAW), Tungsten Inert Gas Welding (TIG), Flame Cutting, Plasma Cutting, and Mill Operation. The student will complete a project in each of the areas.

Course Outcomes:

- * Upon Completion students will be able to TIG weld on Aluminum successfully.
- * Upon completion students will be able to zero a mill on all 3 axis.
- * Upon completion students will be able to mill a project to specifications.

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. Food and water or other drinks not allowed in classroom for safety reasons. Headphones, iPods, and other electronics are not allowed for safety reasons as well. Further clothing and safety issues will be discussed in class.
- * Students will need to pay for materials that are used during the making of any project beyond the required projects. 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.