

CPHS Technology Education

Electronics; Teacher Mr. Leonhardt

CRHS Technology Education Mission Statement:

To provide students the opportunity to engage in a variety of technical areas through real-world and hands-on application/practice/enrichment, while supporting the district/state standards in education through the integration of science, engineering, mathematics and reading.

Course Description:

This course is designed for students who are interested in careers involving electronics engineering. As an introductory course on electronics theory it will teach students the basics about how electronic components work, how they affect circuits, how to analyze circuits, how circuits are designed, and what common circuits affect their everyday lives. Lab activities will include the students building circuit boards, testing circuits on a bread board, building a small robot, and installing simple electrical systems found in a house.

Duration: 1 Quarter

Credits: .5

Prerequisites: None

Course Rationale:

In our modern society it is nearly impossible to go without using an electronic circuit every day. Lights come on, televisions flicker, music blares, computers hum, and most take it all for granted. Because the field of electronics holds a great number of career options it is also one of the most interdisciplinary subjects one can learn about as well. Mathematics, physics, and just plain logic puzzles all play a part in interpreting, designing, and using electronic circuits. Therefore, with its ever present influence, vast breadth of knowledge, and numerous career options it is important that students be exposed to the world of electronics.

Expectations/Classroom Rules:

All students are expected to follow the Technology Education Department and school rules. The students are also expected to treat fellow classmates and staff members with dignity and respect at all times. Inappropriate language will not be tolerated. Students who are disrespectful or keep other students from learning will be sent to the office and will not be allowed to return to class until an administrator and/or parent conference has been held.

Tardy Policy:

- * Any student that is not seated or without a pass when the bell rings will be marked tardy.
- * After a student's second tardy a parent will be notified.
- * A student's third tardy will result in a note/email/call to the administration so that after school detention may be assigned for said student.
- * After a student's third tardy, each additional tardy will result in an after school detention which will be assigned by the administration.

Make-Up Work for Excused Absences:

Upon the student return to school, two days is allowed to make-up work. Additional days may be granted at the discretion of the teacher. The student is responsible for requesting make-up work. Previously announced projects and tests must be turned in or taken on the date of the student's return to school. In the event of a long-term illness, confirmed by a doctor's note or the school nurse, additional make-up time may be granted. Work missed during an excused absence must be made up before credit can be earned.

Passes:

If a student needs to leave the classroom for any reason they should fill out a pass in their planner for that day with the time and location of where they need to go. They must have a signature from Mr. Hall and have their planners completely filled out for the day/week.

Items for Class:

Students need to come to class everyday with a pencil/pen, paper, student planner, folder, and notebook.

Progress Reports:

Student's grades will be posted in the classroom using their student I. D. #. Students can monitor their own progress. Grades are also available online using AH-Connect and will be updated on a weekly basis.

Contact Information:

*Email is the preferred method of contact for me. I will also check my phone messages on a daily basis.

Bruce.Leonhardt@anoka.k12.mn.us

763-506-7755

Parents/Guardians:

(Once you have read the syllabus please sign and return the slip below.)

Electronics I Syllabus

Student Name (please print) _____

Student signature _____ Date _____

Parent or guardian signature _____ Date _____