

Materials

Virtual Instruction-For the duration of virtual instruction students will need a computer with internet access in order to attend synchronous “live” instruction. The class will use several web based programs, however these programs can be run on any computer with internet connection.

Grading Policy and Work Expectations

Exams	15%
Homework	5%
Projects	30%
Classwork	30%
Participation	20%

Homework

While homework will not be given out daily it is expected that assigned work be completed on time. Late work will be counted for half credit after one day and zero credit after two.

Missed Class Time

If you miss a class it is your responsibility to find out what work you missed and need to complete. If you know in advance that you will miss a certain class period let me know so we can schedule around it.

Projects

This class is a project based learning environment. Students are expected to complete projects on time. In the event that you are struggling with a project or assignment and are worried about a due date, please reach out. Projects turned in late will result in point deductions.

Make-Up Policy

If a student is absent for an extended period of time they will have a week to make up labs and quizzes after returning to school. In the event that a student misses a unit test/exam they will have 1 to 2 weeks upon returning to complete it.

Tentative Course Outline

1. Technology and the Engineering Design Process
2. Fundamentals of Robotics
3. Introduction to Lego Hardware
4. Software and Electronic Control
5. Basic Programming
6. Design and Mechanics
7. Sensors
8. Advanced Programming

Classroom Technology

We will be utilizing multiple virtual programming environments throughout the course. Classroom computers and the Google Classroom will be used on a daily basis.

Policies

Please follow all school remote instruction policies. Be on time and ready to go for each class session. In addition, please be respectful of both the teacher and other students.