

CAD Course Handout

Health 2022-23
Teacher: Mr. Bickel
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Hours: A(MTR)
Classroom Computer Lab

Course Description: Students in this course will learn basic computer aided drafting including software programs, engineering, architecture, and animation concepts.

Methods Discussion/Lecture, cooperative learning opportunities, and projects.

Materials: The course will be using a variety of resources and online tutorials to guide students in creating their projects.

Grading: Grades are determined on a percentage basis. Each quarter grade will be 40% of the final semester grade. There will be a final project that weighs 20% of the grade.

Outcomes: There will be homework throughout the course that will be collected regularly. Much of the work in the class will be projects or activities.

Cheating/Plagiarism: Do not take or borrow another student, adult or teacher's work. Seeking help to facilitate your understanding is not cheating or plagiarism. All work you hand in needs to be your original work, whether it is a test, homework or research for a project. Instructors and Administrators will decide the consequence for an infraction. The penalties can be severe and the students risks failing either the assignment or the class.

Electronics: Electronic devices that have web access should not be in the possession of the student during class unless the teacher has indicated otherwise. If a student is using a device during times other than when the instructor has indicated, the device will be confiscated and given to the office.

Respect: Students need to be respectful of the privacy of their classmates. When personal opinions, feelings, or experiences are shared, a level of confidentiality is expected. Bullying, gossip, or abuse related to discussions in this class will not be tolerated.

Topics and Software:

1. Engineering design
 - a. Evaluate and discuss major engineering projects
 - b. Discuss the design process
 - c. Implement the design process into engineering designs.
2. Architecture design process
3. Software
 - a. A+CAD
 - b. Google Sketch Up
 - c. ArchiCAD
 - d. Solidworks
 - e. AutoCAD
4. 3-D Printing Introduction and Project

I have read and understand the policies and protocols provided to the student and parent regarding this class on the previous page. I will do my best to foster good discipleship as a student or a parent/guardian to ensure the classroom environment remains positive and productive throughout the course of the year.

Student Name (Print)

Student Signature

Parent/Guardian Name

Parent/Guardian Signature

Parent/Guardian Name (Optional)

Parent/Guardian Signature (Optional)

Parent/Guardian Contact Information (Preferred contact information):

Name: _____ **Relation:** _____

Phone Number: _____ **Email:** _____

Name: _____ **Relation:** _____

Phone Number: _____ **Email:** _____