**Introduction to Computer Aided Design**

**Course Overview**

This course is designed to give you a taste of the computer aided design world. We will explore the drawing environment for 2D applications. We will have hands on experiences using AutoCad, the industry standard software. We will be working on projects that start with the basics, then we will explore floor plan drawings and other applications for the 2D environment. IF the time permits, we will take our exploration into the 3D environment. I worked as a draftsperson for 6 years with structural engineers, architects, mechanical engineers, and electrical engineers. This is a class you will enjoy, and it will prepare you for what to expect in the engineering and architectural fields.

**Course Materials**

You will need to bring your willingness to engage in the drawing environments. We will be using the high school computer/tech lab. You will be working on the computer from day 1. Remember to thank Mr. McGrath for working so hard to get this program for your use. It was no easy task.

**Expectations**

* You may not infringe upon the rights of anyone while in my classroom or presence.  (We will discuss this rule at length during our first day.)
* All electronic devices are to be placed in the "Devices" basket at the very beginning of class.  No exceptions.  If you are caught with a device that is supposed to be in the basket after class has started, it will be taken and you will have to pick it up at the High School Office.
* You will receive three "Hall Passes" for each quarter.  When you have used them up, you will have to take care of that business on your own time.
* When the second bell rings, doors will be closed and locked.  I will introduce agenda/activities and once the students in class are working, tardy students will be let into the room.  Tardy students will be marked as tardy in PowerSchool.
* If a student shows up to class without books, computers, etc. and is therefore, unprepared for class, students will lose participation points for the day.
* If a student is caught cheating in any class, we will follow the guidelines provided by the English department. (reference the English department academic contract)  Plagiarism is stealing.

**Grading**

Homework 20%

Participation 10%

Project 40%

Quizzes 30%

**Project Grades**

Since projects are the largest portion of your grade, you will be graded on a rubric, and you will have the rubric for that project before you receive the assignment. There will be no question about what is expected of you for each project.

**Homework**

There will be homework, it will not be a large amount of homework in any given week, but you will need to do some work on your own time to successfully in learning for this class.