

Mechanical Drafting

Course Syllabus

This class is designed to teach students to be able to critically look at objects in detail and then be able to draw them in detail. The course will primarily focus on the use of Computer Aided Design as a tool for the design of mechanical parts using 3D modeling.

First two weeks will be spent on geometric construction and sketching using traditional drafting tools.

Two weeks will be spent on educating of the basics of the Inventor program.

Students will be presented with various drawings as problems, starting with the simple and moving to more complex. A final set of drawings will demonstrate the students ability to assemble parts to make a more complex machine or tool.

Rules and Expectations

For Industrial Technology Classes

Mr. O's Ten Commandments

1. Thou shalt come to class on time.
2. Thou shalt be prepared for class.
3. Thou shalt not leave the class without permission.
4. Thou shalt not use the office without permission.
5. Thou shalt not use the office phone without permission.
6. Thou shalt respect thy neighbor's stuff.
7. Thou shalt respect thy neighbor's dignity.
8. Thou shalt be responsible for thine own assignments and projects.
9. Thou shalt respect thy teacher and his stuff.
10. Thou shalt respect thy school and its equipment.

These Ten Commandments you shall obey so that your life in my class will be long and you will have good success. They are there to guide you and remind you of these key words. CHOICE, RESPECT, RESPONSIBILITY, and ACCOUNTABILITY

Grading Policy

Grades shall be earned in the following areas

1. Quizzes
2. Projects
3. Tests
4. Progress on projects (weekly grade)
5. Written assignments

The grading scale is as follows

90-100	A
80-89	B
70-79	C
60-69	D
0-59	F

Failure to complete projects will result in a failing grade.

Four Short Steps

There are four short steps to being removed from class.

- First offence Verbal warning
- Second offence Sent to office for time out.
- Third offence Sent to office for time out, plus contract to come back into class and call to parents.
- Fourth offence Removal from class with a failing grade

Any of these steps can be skipped and taken to #4 if you are a safety hazard to any of the other students.