

Mechanical Engineering and Design
CAD Lab 134 B/136 Drafting Lab

Instructor: Mr. Holliday

Phone #: School (402)643-2988 Cell (402)643-4227

One Term Course.

Course Description: Mechanical Engineering and Design is a beginning level class designed to teach you about the basics in Inventor and well as board drafting skills. With our ever-changing society, computers have become necessary in our everyday lives. Designers, Architects, Draftsman and Engineers to name a few are required to have computer aided drafting skills. In this class you will be introduced to Mechanical aspects and concepts to prepare you for post high school employment, technical college or a four year degree university. You will learn various commands to draw, construct, multiply, render, edit, and transform. You will be required to make series of drawings, views, elevations, perspectives and projections and print/plot a hard copy of those for a grade. Machine tool and CAM (Computer Aided Manufacturing will also be introduced as well.

Tutorials: Will be handed out and worksheets will be given as well.
A Course Outline of those assignments and handouts will be given.

Software's: Inventor, SolidWorks and MasterCAM

Prerequisites: None

Course Requirements:

1. Absences: All work and time missed must be made up before or after school. Must make arrangements to come in outside of regular scheduled class time.
2. Passes: Each student will be given a maximum of two passes for the term for RR. Must have pass book signed by me before you can get permission to leave the room.
3. All students must keep up with assignment deadlines. Any assignment that is not completed by the due date must make arrangements to come in to get caught up.
4. All students must print/plot a hard copy of their assignments to be graded.
5. All students must work effectively and efficiently the entire period. All students must stay at their assigned desk. Excessive talking will not be tolerated and students will be required to come in for detention.
6. Treat all equipment and software programs with the utmost respect. Any damaged or mistreated equipment will be charged to the individual. If not in assigned software programs, students will be removed from the class. (I.e. games, internet, instant messengers, music programs, ipods, youtube, cell phones, etc.) No cell phones in class!
7. All students must keep their individual areas clean and neat. Must put everything away and properly shut down the computers. Do not clean-up more than 2 minutes before the bell. Points will be deducted from your grade and detentions can be given if not followed.
8. No food or candy in the classroom. Drinks will only be allowed by the sink, not by the computers.
9. Cheating will not be tolerated. Students must turn in their own work, failure to do this will be loss of all points of the assignment and no make-up points will be available.
10. No bags of any kind, (ie. book bags, computer bags, purses, gym bag, etc).
- 11. Grading Policy: All projects on Course Outline are due by the end of the term, any project not completed by then will be counted as zero's and will affect your grade. So please keep up with timelines in order to complete all projects listed.**

Please sign your name below indicating that you are aware of all course requirements.

Name: _____ Date: _____