

8th Grade Fundamentals of Manufacturing Technology Syllabus 2013 to 2014 School Year

Instructor:

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From the instructor:

Welcome to Fundamentals of Manufacturing Technology. The purpose of this class is to prepare all students to be citizens and employees in a society that becomes increasingly technological and global every day. The reason why we need our students to be literate in the use of technology is because they will be the creators of our future, the ones who use the next generation of technology and will be making decisions related to technology that are more sophisticated than we could even dream of.

Course description:

The course will reinforce and compliment the materials presented in other courses while introducing technological and problem solving skills. At the eighth grade level we will be expanding on the computer skills taught in the sixth and seventh grades while having an emphasis on the Fundamentals of Manufacturing.

We will cover the basics of the CAD / CAM process; use the technological systems model to solve problems during the machining processes and assembly, human relations skills, careers, and other aspects related to maintaining a manufacturing company. Students will manufacture the project that they design in class by applying the skills they have learned.

Major concepts/content:

- ❖ Business Enterprise
- ❖ Safe working practices and procedures
- ❖ Manufacturing Technologies
- ❖ Systems
- ❖ Problem Solving
- ❖ Website development
- ❖ Operation and functions of computers
- ❖ Use of productivity and multimedia tools
- ❖ Demonstrate leadership and organizational skills
- ❖ Telecommunications concepts

How to do well:

1. Not only attend class but also participate
2. Go over any notes and or handouts a little each day (this will eliminate a need to cram)
3. Work and study with friends
4. Ask questions whenever something isn't clear
5. Hand in all assignments on time
6. Don't confuse the amount of time you spend studying with the quality of your studying
7. Keep an open mind and respect classmates, yourself and your instructor

EVALUTATION

Evaluation will depend heavily on projects and assignments completed in class. Bell work will also count as a small 5% portion of the grade that is not optional. Homework will be minimal due to the nature of the course but will count in the same category as class work.

Post Tests: A Post Test will also be given at the end of each quarter that covers all the material taught during that quarter.

Tests / Major projects	35%
Quizzes / guided projects	30%
Class work / Homework	30%
Bell work	5%

Daily work / late assignment policy:

It is expected that all daily work and assignments be completed by their respective due dates. Any work that is not turned in within the first five minutes of class is considered a one day late and 10% will be deducted. Work will lose 10% each day that it is late up to 5 school days. Extenuating circumstances will be dealt with at the discretion of the instructor. If there is a situation that you know about in advance I would like at least three days notice and prefer that the work be completed ahead of schedule. Keep in mind that the number one culprit of late and low quality work is procrastination.

Academic dishonesty:

You are expected to adhere to the principles of academic honesty. ALL instances of cheating or plagiarism will be taken very seriously. There will be NO CREDIT given for any instance of cheating whether it is a small assignment or a final exam. Multiple instances of cheating will be dealt with more severely. Although you are free to study and work with other students, it is expected that all of the work you do in this class will be your own.