

Industrial Technology SYLLABUS

Instructor Information

Teacher: Mr. Lawn
Conf. time: 12:35 – 1:35
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Course Information

Time: Period 4th
Place: Room 109

Course Overview

This course will give the student knowledge and skills in many areas of Industrial Technology. The school will be divided into Drafting (Board & CAD), Industrial Computers (Robotic plasma cutter, 3d Printer, 3d Router, & CNC), Metalworking, and Advanced Woodworking. This class should be a challenge for all students.

Class Goals

1. The students will learn to draw plans on drafting boards and computers.
2. The students will learn to work in a metal and wood shop comfortable and safely.
3. The students will learn the names of hand tools, power tools, and machines.
4. The students will learn use hand tools, power tools, and machines safely and correctly.
5. The students will learn basic processes and procedures in creating a project.
6. The student will develop and improve their skills in creating a project.

Grading

Grading will follow the new procedure for 9 week, exam, and semesters

First 9 weeks	40%
Second 9 weeks	40%
<u>Exam</u>	<u>20%</u>
Semester Grade	100%

Grading Distribution

Participation - daily	10%
Projects and Tests	80%
<u>Quiz – once a week</u>	<u>10%</u>
Total	100%

Grading Scale

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

Class Participation

IF YOU ARE NOT IN SCHOOL YOU CAN NOT PARTICIPATE IN CLASS

You receive 10 pts .per day and you will lose points for:

In Class

Absent 10 pts
Tardy 5 pts
Behavior 5-10 pts
Participation 5-10 pts

In Shop

Absent 10 pts
Tardy 5 pts
Behavior 5-10 pts
Participation 5-10 pts
Problem solving 5 pts
Safety glasses 5 pts
Safety problem 5-10 pts
Clean up 5 pts

Class Outline:

1st Marking Period

Drafting:

1. Board Drafting
 1. Isometrics
 2. Multiviews
 3. Geometry
 4. Other Pictorials
2. CAD
 1. Multiviews
 2. Isometrics

2nd Marking Period & 3rd Marking Period

Computers:

1. CNC Mill
2. CNC Lathe
3. Plasma cutter
4. 3D Printer

Metalworking: Projects the students may choose:

1. Sheet metal tool box
2. Wrought Iron
3. Foundry
4. Welding 6013
5. Welding 7018
6. Welding 6010
7. Mill & Surface Grinder
8. Metal Lathe
9. Other – Teachers approval – student must have the skills to design and build...

4th Marking Period

Woodworking: Projects the students may choose:

- | | |
|----------------------------|--|
| 1. Lathe bowl | 9. Chair |
| 2. Router wooden tray | 10. Other – Teachers approval – student must have the skills to design and build |
| 3. Stool 3 or 4 leg | |
| 4. Checker Board w/ frame | |
| 5. Clock | |
| 6. Wooden toy – from books | |
| 7. Lamp | |
| 8. Small Table | |

Safety Policies

-All students will follow all the classroom rules and shop safety rules. Failure to follow the rules may result in disciplinary action and/or removal from the class.

-Everyone must wear safety glasses in the shop at all times, whether working on a machine or not

-More shop safety rules will be discussed in class.

No Shop Fee:

Students will make small projects to complete the skill requirement. With Instructor approval, the student may upgrade a project for an additional fee or bring own materials.

Lockers / Locks

Each student will pick 1 locker partner. I will assign them a locker in the shop and give them a lock for the duration of the class. They must return the lock and clean out the locker at the end of the class. If they lose the lock they will be charged \$5.00. A class cabinet will be provided for this class to lock up larger projects.

Media Devices

The use of Cell Phones, I-Pods, or any other audio/video devices is not allowed at any time in classroom or in the shop. This is a distraction and creates a safety hazard. The student will be disciplined by myself or the High School Office.

Missed Work:

Students will be given the time to make up missing work in accordance to the student handbook.

Cheating, copying, or doing an other students assignment

Student will receive a 0 for the assignment and not be able to redo the assignment (see student handbook for academic dishonesty).

Extra credit

Extra credit will not be give for any reason.

This syllabus is just a guide and the teacher reserves the right to make changes (if needed) at anytime.

Dear Parent(s),

Please take the time to review this class syllabus with your student. It is my hope that it will provide you with a greater level of information regarding your student’s education. The syllabus includes my email address and phone number to increase parent communication. Please feel free to contact me if you have any questions.

Keep the first 2 pages for future reference...Return this signature page so your student may receive full credit this Friday.

My student and I have read this class syllabus

Student Name: _____ Date: _____

Student Signature: _____

Parent/Guardian Name: _____

Parent/Guardian Signature: _____

(Optional)

Phone _____ Email address _____