

Course Objectives:

Upon completion of this course students will be able to:

- Gain an appreciation of wood and wood products used in daily life.
- Demonstrate safe woodworking practices.
- Design and construct several wood projects for use/ demonstration.
- Apply hand skills and knowledge to other courses offered within the technology education department
- 3D Printing
- CNC Programming and milling

Evaluation

At the end of the quarter I will assign students a letter grade based on the following criteria:

A = 90% to 100%

B = 80% to 89%

C = 70% to 79%

D = 60% to 69%

F = 0% to 59%

It is the student's responsibility to account for material covered on days absent. I will calculate your grade by expressing your total accumulated points at the end of the term as a percentage of the possible points.

It will be a letter grade based on the following:

Projects: (50%)

Classroom Participation (10%)

- a. Lesson Involvement
- b. Teacher Assistance

Test and Quizzes (20%)

- a. Performance tests (practical)
- b. Procedures and safety quizzes
- c. Final exam (Multiple Choice/ Written)

Laboratory Maintenance (10%)

- a. Daily class cleaning
- b. Mandatory cleaning days
- c. Classroom Maintenance

Mandatory Materials (MUST HAVE EVERYDAY):

- a. Folder pockets
- b. Pencil (no pens!!)
- c. Notepaper

d. Proper work clothing (no high heels, sandals, etc)

COURSE SUBJECTS

Course Subjects:

1. Safety
2. Introduction to woodworking materials
3. Woodworking Terminology
4. Power tool accessories
3. Project Planning
4. Materials List and Cut List
5. Project Plans
6. Hand tools
7. Portable power tools
8. Stationary power tools
9. Sanding
10. Assembly
11. CNC Programing
12. CNC Milling
13. 3D Programing
14. 3D Printing