

This is an introductory class in Wood Technology. You will learn the fundamentals of hand and machine tool safety in regards to wood. The skills you learn in the woodshop are ones you can use throughout your life. You can use them to do work on the home you live in, as a hobby or even a career in the construction, carpentry or woodworking industry.

Class expectations:

- **Attendance** is an important part of learning, because of the class and project work; students must attend regularly and absent time may be made up before or after school when available.
- **Safety Rules** are in place for your protection. Not adhering to safety rules will result in injury to you or others.
- **Patience** is necessary for success, as Rome was not built in one day; neither is all that can be learned. By learning patience, students can be more productive, helping each other and being individually helped by the teacher.
- **Performance** is the result of hard consistent work. All students are able to be successful, but without putting forth effort on a daily basis, no one achieves.
- **A Positive Attitude** is an important part of success. Say that you can do it, not just try.
- **Cooperation** helps everyone learn. When students cooperate, teaching can be successful. Students can work cooperatively with each other and the teacher. The teacher encourages students to work cooperatively with each other to learn. When help each other in class, you also learn.
- **Reading** is a vital part of learning. Textbook assignments, handouts, and vocabulary with definitions help reinforce the hands-on skills learned in class. There are many ways that we learn and the more ways we use to learn, the better we will learn.
- **Students will maintain a portfolio** of handouts and projects. Keeping track of daily and weekly work will help the student remember and apply theory with practical knowledge in written form. The most successful students take notes, rewrite and review them.
- **Personal integrity** is VERY important. Academic dishonesty is an obstacle to learning and to reaching your full potential. Make sure that you understand your responsibilities as stated in the handbook.
- **Communication** is another success skill, if you do not know, ask. It is very likely that if you do not understand others are in the same boat with you. Anytime that you have a question, politely ask it, either quietly to the teacher or by raising your hand and asking aloud. We are here together to become successful. Students and parents can contact Mr. Herrera at anytime via email at jherrera@esu2.org or by phone at 402-443-4332 Extension 3214

Materials Needed:

Students will need a folder to keep track of all paperwork. The folder will stay in the classroom. All project work will be done in pencil. Ink is not erasable and makes a mess on wood.

What if I miss a class?

If you miss a class, please contact the teacher to see what you may have missed. If you are able to make up your project work in class, you will be fine. If you missed bookwork, you will need to make up that work on your own time. You will be given the same amount of time to complete your work that your classmates received. Remember to always ask your teacher what you missed if you are absent or plan ahead if you know you will be absent. You can always contact Mr. Herrera at school at 402-443-4332 Ext. 3214 or at jherrera@esu2.org

Grading Procedures

Your grade is made up of three categories:

Participation: 20%

(Being Prepared, Participation in discussions, following safety rules)

Project Work: 60%

(Project progress, following your plan, craftsmanship)

Tests/Quizzes: 20%

(Safety tests, chapter quizzes, joinery tests)

All assignments will receive Points based on a 100 point scale. Additional projects will be assigned as needed to enhance instruction. Unit quizzes leading to a comprehensive semester final exam will afford additional assessments. To provide for special needs students' additional time will be allowed to complete projects, as well as extending open lab time to all students for the completion of projects. All grading will be done using Powerchool and will be available to the student and parents on the powerschool system accessible through the school's home page.

Learning outcomes: Students will be able to...

- Measure using to the nearest 1/16" using a steel rule and tape measure
- Score a 100% on a shop safety test
- Identify Pine, Walnut, Cherry, Maple, and Red Oak species of wood
- Identify imperfections associated with wood
- Identify different types of wood products used in woodworking.
- Identify the different types of fasteners used in woodworking.
- Use a combination square to square up a piece of lumber
- Create a Bill of Materials for a woodworking project
- Create a Plan of Procedures for a woodworking project

Textbook: Modern Woodworking by Willis H. Wagner and Clois E. Kicklighter

Coursework:

Chapter 1 - Planning & Design 1 Week

Chapter 2 - Selecting Materials & Identification 1 Week

Chapter 3 - Woodshop Safety 1 Week

Chapter 4 - Measurement & Layout 1 Week

Power tool introduction & Demonstrations 2 Weeks

Bandsaw Safety and Bandsaw box assembly 2 Weeks

Sanding/Finishing for Bandsaw box 1 Week

Adhesives Gluing and Clamping 1 Week

Chapter 5 - Planing & Sawing Safety 1 Week

Chapter 6 - Drilling and Boring 1 Week

Stepstool Project 2 Weeks

Checkerboard Project 3 Weeks

Finish all projects and review for Fall semester Final 1 Week

FALL SEMESTER FINAL EXAM

Mantle Clock Project Planning 1 Weeks

Mantle Clock Cutting, Assembly, Sanding 6 Weeks

Mantle Clock Final Prep and Finishing 1 Weeks

Final Project Planning & Design 2 Weeks

Final Project Cutting, Assembly, Sanding 6 Weeks

Final Project Final Prep and Finishing 1 Week

Final all Projects and Review for final exam 1 Week

SPRING SEMESTER FINAL EXAM

For additional help:

Please feel free to contact Mr. Herrera at school at 402-443-4332 Ext 3214. You can also email at jherrera@esu2.org I am available in the mornings before school, and once football season has ended, I am available every night after school. Please let me know if there is a time when you would like to meet to make up work or to talk.

Lets have a great year in the woodshop!

Mr. Herrera

Parent/Guardian Please Complete:

I have reviewed this syllabus and I give permission for my son/daughter to participate in the wood shop class, which includes using all the hand tools, power tools and power equipment. I agree with the importance of safety in this class and will expect my son/daughter to follow all safety expectations.

(The completed safety notes and test will also be brought home to be reviewed by a parent/guardian.)

Parent/Guardian Signature _____ Date _____