

Woodworking Occupations / Wood I / Exploratory Woodshop

Introduction:

ROP Woodworking Occupations is a course designed to acquaint students with the basic principles of woodworking, and to prepare for the safe use of hand and stationary tools while completing basic woodworking projects. Materials and techniques of woodworking are reviewed and students are provided with a variety of suitable projects for the beginning level woodworker.

Skills learned in Woodworking Occupations:

1. Responsibility as a woodworker in a potentially dangerous environment, each student will demonstrate and practice safety for each tool or machine used in a woodshop.
2. Technological literacy by reading blueprints, drawing and shop manuals to complete projects.
3. Critical thinking when planning projects, from design sketches to finished shop drawings with complete cut list.
4. Understanding the importance of math, science, reading and writing.

Course outline for Woodworking Occupations:

Starting the course

- Registration paperwork for ROP Woodworking Occupations
- Emergency Notification and Shop Rules Form
- Review general shop safety
- Machine operation procedures and specific safety operations

Building Woodworking Occupations skills:

- Design and measuring
- Reading plans or blueprints
- Woodshop and construction math
- Selecting the proper materials and techniques
- Using hand tools and portable power tools
- Using stationary power tools

Classroom Facilities and Equipment:

Rim of the World High School is fortunate to have a full woodshop that includes the following equipment: 3 table saws, 3 router tables, a panel saw, 2 radial arm saws, a sliding compound miter saw, 2 shapers, 12 wood lathes and CNC Router. The shop has a small computer lab for CAD design work and Internet access for students to research projects.

Class Projects:

1. Snowman / Spoon – In this project students will demonstrate their skills in spindle turning with a skew chisel and get a feel for working on the lathe.
2. Push stick – This project will teach students techniques used on the band saws.
3. Picture Frame – In this project students will demonstrate their ability to follow directions on using table saws and router tables.
4. Face Grain Bowl – This project will demonstrate the student's skills using a wide range of tools and techniques used in making a bowl on the lathe.
5. Pens and Pen Boxes – In this project students will demonstrate their advanced skills in spindle turning on the lathe.
6. Students Choice – After completing the first four projects, students will choose one of the following projects: Pie Safe, Adirondack Chair, Shaker End Table or their own personal projects with the instructor's approval.

Grading:

Students' final grades will be broken down in the following groups, Projects 60%, Tests and Quizzes 20%, Paperwork and Clean-up 10%. Students will pass the safety exam before they will be allowed to use any power tools or start their projects. Classroom participation is mandatory for successful completion of this course. Points will be deducted for lack of participation.

Grading Criteria for Projects:

10 to 9 points (A) - Excellent: Student has demonstrated excellent skills in woodworking; the project looks clean and professional.

8 points (B) - Very Good: The student has demonstrated very good skills in their project, but the project has some minor flaws.

7 points (C) - Good: The student has demonstrated very good skills in woodworking but the student has chosen not to apply a finish or has not completed sanding. Project may be resubmitted to improve grade.

6 points (D) - Needs Work: the student has turned in work that does not meet the standard but could with improvements. Project may be resubmitted to improve grade.

5 points (F) - Poor Work: The student has turned in work that is sloppy and does not come close to the model or picture. Project may be resubmitted to improve grade.

0 points – No Assignment Received: Student did not turn in project by due date. Students will not be able to improve grade on a project that receives 0 points.

Woodshop Rules and Policies:

1. It is my responsibility to see that all projects are turned in on time and recorded by the instructor into his grade book.
2. I have been informed that theft, willful abuse of tools, equipment or supplies may result in being dropped from this class.
3. Class procedures and rules have been explained to me, including: tardies, truants, safety, clean up and dismissal.
4. Attendances will follow the school policy.
5. All students working in the woodshop shall wear shoes at all times. No open toe shoes or flip – flops.
6. I understand that I must have a Bathroom Pass or blue written pass signed by the instructor and his permission in order to leave the classroom. Students leaving class without permission will receive an OCR.
7. Horseplay, running, grabbing each other, or throwing objects will not be tolerated. Infraction of this rule may cause dismissal from this class.
8. I understand that I may not cut any materials without paying the full amount of that material to be cut. All payments must be made to the ASB office.
9. The drop cords that hang from the ceiling of the shop shall not be hit or caused to swing. Students doing this may be dropped from the class.
10. I understand that I may be dropped and reported to security for making any drug paraphernalia or weapons. Students may also be expelled from school and fined.
11. I understand that I may not use any power tools without the instructor's approval, even after I have passed the safety test. After receiving permission from the instructor, I must have a partner before operating a power saw.
12. I understand that I must report all accidents, even minor ones to the instructor.

Penalties for breaking shop rules:

1ST Offense – Verbal warning and punishment

2nd Offense – Two Day suspension and phone call to parent / guardians.

3rd Offense – Dropped from woodshop with an “F”

Note: Breaking of school rules (fighting, drugs, etc.) carries established Rim of the World High School District penalties.

I have reviewed this syllabus with my parents / guardians Date: _____

Student Name: _____ Signature: _____

Parent / Guardian: _____

