

Carpentry Lesson Plan

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| Course: Carpentry | Grade: 9-12 |
| Instructor: | CIP Code: 460201 |
| Unit: Project Book 2 Projects | Title: Sawhorse- Chapter 3 |
| <p>Knowledge, Content and Skills: Students will be able to: identify the tools and materials and processes needed to complete the sawhorse project, while maintaining a safe working environment.</p> <p>Performance objective: Create a cut list, identify materials and fasteners, follow directions, read working drawings, use and maintain hand and power tools, to complete a sawhorse within the time allowed. Lead-up Exercise page 66-67, compound angles. Fabricate the parts and assemble a Sawhorse according to the working drawings and instructions in Project Book 2.</p> | |
| <p>Competency: 3. Demonstrate use of appropriate personal safety equipment and proper use of emergency equipment. 7. Explain terms commonly used to describe wood/lumber and identify lumber materials. 8. Demonstrate proper selection and use of a variety of fasteners and adhesives. 9. Demonstrate proper safety and use of hand tools. 10. Demonstrate proper use and safety of common power tools.</p> | |
| <p>Common Core: Listening: Students will demonstrate the ability to listen and view critically for variety of purposes. Reading Informational Texts Competency: Students will demonstrate the ability to comprehend, analyze and critique a variety of increasingly complex print and non-print informational texts.</p> | |
| <p>Tools, supplies and reference materials: Tools: Tape measure, Combination square, sliding T-bevel, Framing square, stair gauges, circular saw. Career Connections Project Book 2 pages: 65-82. Materials (one per student): 1 x 4 x 8', 2 x 6 x 4', 1 x 4 x 12', ½" plywood 12"x 24" Fasteners: (20) 1 ⅝" and (16) 1 ¼" construction screws.</p> | |
| <p>Methods of instruction: Demonstration on how to cut compound angles with the circular saw. Students will work independently using the reference materials, and ask clarifying questions of the instructor as needed. Estimated time: 12 hrs. Number of students: 15-20</p> | |
| <p>Task analysis or activities: Students will work in small groups at shop tables, with all the previously mentioned measuring tools, working individually to complete all steps needed to build the sawhorse, helping each other as they progress at their own pace.</p> | |



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Evaluation: Students will be graded on their use of time, safety methods, quality of work, cleaning and organization of their work area, interaction with other students, and vocational employability skills grading rubric. Students will be graded on their completed project using the rubric on page 102.

Instructor Notes: