

Carpentry Lesson Plan

Course: Carpentry	Grade: 9-12
Instructor:	CIP Code: 460201
Unit: Book 2 Projects	Title: Shed with Gable Roof
<p>Knowledge, Content and Skills: Students will be able to: identify the tools and materials and processes needed to complete the shed project, while maintaining a safe working environment. Performance objective: Create a cut list, identify materials and fasteners, follow directions, read working drawings, use and maintain hand and power tools, to work as a team to assemble the shed. Perform each of the following lead-up exercises: wall layout, checking for square, constructing a header, common rafter.</p>	
<p>Competency: 3. Demonstrate use of appropriate personal safety equipment and proper use of emergency equipment. 9. Demonstrate proper safety and use of hand tools. 10. Demonstrate proper use and safety of common power tools. 17. Identify components of wall and ceiling layout and demonstrate how to cut studs, trimmers, cripples and headers to dimension to build wall sections. 18. Identify roof framing members and demonstrate how to erect rafters or trusses and apply roof sheathing.</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: Shed Materials: Floor system: (2) $\frac{3}{4}$" 4 x 8 plywood, (2) 2x6x8 rim joists, (4) 2x6x10 floor joists, Wall system: (6) 2x4x8 plates, (3) 2x4x10 plates, (36) 2x4x8 studs/headers, scrap $\frac{1}{2}$" for headers. Roof system: (1)2x6x8 ridge, (7) 2x4x8 rafters Temporary Braces: (6) 2x4x10, Fasteners; 12d sinkers and 6d common Tools: Circular Saw, Hand saw, utility knife, 8' step ladders or staging, chalk line, PPE, Pencil, tape measure, framing square, speed square, framing hammer, 4' level, plumb bob, sawhorses. Career Connection Book 2 Chapter 6 pages: 238-288.</p>	
<p>Methods of instruction: Provide each student with the materials to and tools to complete the project and allow students to work in small groups at their own pace referencing the Career Connections Book 2 Chapter 6 and following the instructions. Estimated time: 30 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 power tools, working together to complete all activities and helping each other as they progress at their own pace.</p>	
<p>Evaluation: Students will be graded on their use of time, safety methods, quality of work,</p>	



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cleaning and organization of their work area, interaction with other students, and employability skills. The Shed project evaluation is on page 322.

Instructors Notes: