

Carpentry Lesson Plan

Course: Carpentry	Grade: 9-12
Instructor:	CIP Code: 460201
Unit: Book 2 Projects	Title: Picnic Table- Chapter 4
<p>Knowledge, Content and Skills: Students will be able to: identify the tools and materials and processes needed to complete the Picnic Table project, while maintaining a safe working environment. New vocabulary: carriage bolt, countersink, deck screw, round-over router bit, and strap hinge.</p> <p>Performance objective: Create a cut list, identify materials and fasteners, follow written directions, read working drawings, use and maintain hand and power tools to complete the picnic table.</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:</p> <p>Materials: (9) 2x4x8 cedar, (1) 2x6x10 cedar, (6) 5/4x6x 12 cedar deck boards, (1) 1x2x8 pine, (1) 1x4x8 pine, (36) 3/8 x 3" galvanized carriage bolts with washers and nuts, (5lbs.) 2 1/2" deck screws, (1 lb) 1 1/4" construction screws.</p> <p>Tools: Circular saw, clamps, compass, orbit sander, straightedge, tape measure, 3/16" round-over router bit, router, saber saw, sanding block, sandpaper, #120 and #220, sawhorses, screw gun, sliding T-bevel, 1" spade bit, speed square, socket wrench and sockets, electric drill and drill index. Career Connection Book 2 Chapter 4 pages: 105-146.</p>	
<p>Methods of instruction: Provide each student with the materials to and tools to complete the project and allow students to work at their own pace referencing the Career Connections Book 2 Chapter 4 and following the instructions. Estimated time: 50 hrs. Number of students: 15-20</p>	



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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.

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 employability skills. The Curved Picnic Table project evaluation is on page 181.

Instructors Notes: