

Carpentry Lesson Plan

Course: Carpentry	Grade: 9-12
Instructor:	CIP Code: 460201
Unit: Book 1 Projects	Title: Tote Box
<p>Knowledge, Content and Skills: Students will be able to: identify the tools and materials and processes needed to complete the tote box 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 the following tools: tape measure, pencil, combination square, circular saw, hand saw, drill, hammer, sandpaper, clamps. Fabricate the parts and assemble a tote box.</p>	
<p>Competency Standard: 3. Demonstrate use of appropriate personal safety equipment. 10. Demonstrate proper safety and use of commonly used power tools. 44. General Safety: Demonstrate and apply safe practices and procedures in the workplace.</p>	
<p>Common Core: ELA—Reading: Students will demonstrate the ability to comprehend, analyze, and critique a variety of increasingly complex print and non-print informational texts-including science, social studies and technical subjects.</p> <p>MATH—Students will solve problems involving spatial reasoning using properties of 2- and 3-dimensional figures to analyze represent, and model geometric relationships in pure/theoretical and authentic applied contexts</p>	
<p>Tools, supplies and reference materials:</p> <p>(1) ¾" x 16" dowel, (1) 1 x 6 x 8' pine or similar (26) 6d finish nails, wood glue, Combination square, tape measure, pencil, circular saw, hand saw, ¾" drill, ¾" spade bit, pilot bit for 6d nails, claw hammer, nail set, straight edge, sandpaper, clamps, bucket of water and rags, Career Connection Book 1 Chapter 7 pages: 163-173.</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 1 Chapter 7 and following the instructions.</p> <p>Estimated Time: 8 hrs. Number of students 10-15</p>	
<p>Task analysis or activities: Students will work in small groups at shop tables, with all the previously mentioned 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, cleaning and organization of their work area, interaction with other students, and employability skills. Tote box project evaluation on page 191.</p>	
<p>Instructors Notes:</p>	