

Wood Technology Lesson Plan

Lesson Plan Title	Tool box
Lesson Plan Created by	Zachary DePace Career Connections Outreach Specialist
Grade	9-12
Subject	Wood Technology
Standard(s)	3. Demonstrate knowledge of personal safety practices pertaining to eyewear, footwear, clothing and PPE used in wood technology 8. Identify, use and maintain measuring and layout tools 15. Explain and prepare a cut list from a basic plan and assembly drawing.
Time	8-10 hrs.
Indicators/Objectives	Students will be able to: identify the tools and materials and processes needed to complete the tool box project, while maintaining a safe working environment.
Required Materials	Materials: 1 ¼” x 3’ dowel or closet pole, ¾” x 12”x 4’ plywood, ½” x 2’ x 4’ plywood, 1 x 10 x 3’ pine, 1 x 4 x 3’ pine, 1 ¼” construction screws, wood glue, framing square, circular saw, wood rasp, saber saw, block plane, ¾” drill, sandpaper, screw gun, compass, combination square, random orbit sander, 1 ¼” spade bit, drill index, tape measure, pencil, rag and bucket of water, claw hammer, and clamps, Career Connections Book 1 Chapter 11 pages: 286-295.
Initiation (prior knowledge, connection, vocabulary)	Read working drawings, create a cut list and fabricate the parts to assemble a tool box using the step-by-step instructions.
Learning Procedures	Create a cut list, identify materials and fasteners, follow each step in the directions, read working drawings, use and maintain hand and power tools.
Grouping	Whole group
Guided Practice	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.
Instructional Strategies	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 11 and following the instructions and asking questions of the instructor as needed.
Closure	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. Manipulative skills assessments and written evaluations. Tool box project evaluation on page 317.
Independent Practice	Students have now completed all the projects in Book 1. There are some options for the next steps: students could modify their toolbox or look at Book 2 and plan the next project or build one of the alternate projects from Book 1.

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