

Wood Technology Lesson Plan

Lesson Plan Title	Bird House
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	8-10hrs.
Indicators/Objectives	Students will be able to: identify the tools and materials and processes needed to complete the bird house project, while maintaining a safe working environment. Fabricate the parts and assemble a Bird House according to the working drawings and instructions.
Required Materials	Pine or Cedar- 1 x 6 x 5', 6d galvanized finish nails, (3) 1 ¼" coated screws, tape measure, pencil, combination square, circular saw, rasp, ⅛" twist drill bit, ⅜" drill, 1 ½" spade bit, nail set, claw hammer, screw gun (or screw driver), sandpaper, clamps. Career Connections Book 1 Chapter 8 pages: 195-203.
Initiation (prior knowledge, connection, vocabulary)	Identify needed materials and fasteners, follow along with the steps in the book, read working drawings, use and maintain hand and power tools.
Learning Procedures	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.
Grouping	Whole group
Guided Practice	Students will work in small groups at shop tables, with all the previously mentioned tools, working together to complete all steps to build the birdhouse 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 8 and following the instructions. Show students the bird house video on the Virtual Shop CD.
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.
Independent Practice	Students should refer to the Lead up Exercises on tool use. Review grading rubric with the instructor after completion. Begin to study the step stool project in Chapter 9.

