

Wood Technology Lesson Plan

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| Lesson Plan Title | Tote 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 tote box project, while maintaining a safe working environment. |
| Required Materials | One 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, ⅜ 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. |
| Initiation (prior knowledge, connection, vocabulary) | Students have been introduced to the tools and materials needed to complete a project. |
| 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 | 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. Students can also view the Tote Box video on the virtual shop CD. |
| Instructional Strategies | Distribute the tote box grading rubric. Discuss with students the expectations of the project. Students will work in small groups at shop tables, with all the previously mentioned tools, working together to complete all steps in building the Tote box and helping each other as they progress at their own pace. |
| 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 birdhouse project in Chapter 8. |