

Wood Technology Lesson Plan

Lesson Plan Title	Cutting, Shaping, Striking and Fastening Tools
Lesson Plan Created by	Zachary DePace Career Connections Outreach Specialist
Grade	9-12
Subject	Wood Technology
Standard(s)	2. Demonstrate and explain knowledge of workplace safety procedures. 3. Demonstrate and explain knowledge of personal safety practices pertaining to eyewear, footwear, clothing, and personal protective equipment (PPE) used in wood technology. 5. Demonstrate and explain knowledge of proper use and storage of basic hand tools.
Time	5 hrs.
Indicators/Objectives	Students will be able to: identify cutting and shaping tools, describe the use and maintenance of each. Students will gain knowledge on why tools are so important for the trades.
Required Materials	Handsaw, utility knife, hammer, chisel, block plane, claw hammer, nail set, clamps, sand paper, sanding blocks, pliers, rasp, adjustable wrench, socket wrench, Career Connection Book 1 Chapter 3 pages: 57-86. (Enough tools for each student or group of students)
Initiation (prior knowledge, connection, vocabulary)	The importance of respecting tools and understanding how a tool is used.
Learning Procedures	Demonstration on use and maintenance of each tool, lecture on safe work habits and respect for tools, reference to the Career Connections Book 1 Chapter 3, Pages 56-86 and hands-on practice with each tool.
Grouping	Whole group or small groups
Guided Practice	To become familiar with each Cutting, Shaping, Striking and Fastening tool by completing the lead up exercises and practicing using the tools and discussing with their peers and instructor.
Instructional Strategies	Students will work in small groups at shop tables, with all the previously mentioned Cutting, Shaping, Striking and Fastening Tool tools, working together to complete all the lead-up exercises and helping each other as they progress at their own pace. Have each student pick their favorite tool and explain to the class why it's their favorite.
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. Use the Tool Safety and Operation Checklist to score student competency. Monitor students for safe and accurate results.
Independent Practice	Ask students to review Chapter 4 for the next class.