



## Carpentry Lesson Plan

<b>Course:</b> Carpentry	<b>Grade:</b> 9-12
<b>Instructor:</b>	<b>CIP Code:</b> 460201
<b>Unit:</b> Hand Tools	<b>Title:</b> Cutting, Shaping, Striking, Fastening Tools
<p><b>Knowledge, Content and skills:</b> 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 important for our trades and how to match a tool to a task.</p> <p><b>Performance objective:</b> 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. Lead-up exercises for each tool, pages: 60-85.</p>	
<p><b>Competency Standard:</b> 9. Demonstrate proper safety and use of commonly used hand tools. 43. Demonstrate mathematical and computation skills as applied to real world situations. 44. General Safety: Demonstrate and apply safe practices and procedures in the workplace.</p>	
<p><b>Common Core:</b> 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.          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><b>Tools, supplies and reference materials:</b> 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)</p>	
<p><b>Methods of instruction:</b> 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 57-86 Pages and and hands-on practice with each tool.</p> <p><b>Estimated time:</b> 3-5 hrs. <b>Number of students:</b> 10-15</p>	
<p><b>Task analysis or activities:</b> 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.</p>	
<p><b>Evaluation:</b> 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.</p>	
<p><b>Instructors Notes:</b></p>	