

Anoka-Hennepin Secondary Curriculum Unit Plan

Department:	Career Technical Education	Course:	Construction Careers:Carpentry	Unit 1 Title:	Introductory Tool Use and Safety	Grade Level(s):	11-12
Assessed Trimester:	A	Pacing:	8-10 Days	Date Created:	1/17/2014	Last Revision Date:	

<b>Course Understandings:</b> <i>Students will understand that:</i> <ul style="list-style-type: none"><li>The field of construction trades and its area of specialization.</li><li>Organizational skill, problem solving, critical thinking, and assessment skills are the essential tools used in construction trades.</li><li>Math, in its various forms, are foundational to the construction trades.</li><li>Attention to detail, resulting in a safe work environment and a high quality product, is the driving force within construction trades.</li></ul>
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DESIRED RESULTS (Stage 1) - WHAT WE WANT STUDENT TO KNOW AND BE ABLE TO DO?

Established Goals	
<b>Minnesota State/Local/Technology Standard(s) addressed:</b> <ul style="list-style-type: none"><li><b>Professional Attributes</b> - A2 Displays a positive attitude, A3 Displays appropriate behavior, A4 Works effectively as a team member, A5 Applies listening skills, A6 Applies speaking skills</li><li><b>Fundamental Carpentry Skills</b> - E9 Uses squares, measuring tapes or rules to measure materials or distances, E11 Performs mathematical calculations</li><li><b>Hand Tools</b> – F1 Identifies and correctly uses hammers, F2 Identifies and correctly uses handsaws</li><li><b>Power Tools</b> – G1 Identifies and correctly uses power drills, G2 Identifies and correctly uses power saws, G3 Identifies and correctly uses sanders, G7 Identifies and correctly uses pneumatic nailer</li><li><b>Reading Plans</b> – H4 Reads and interprets elevation view drawings</li></ul>	
Transfer	
<b>Students will be able to independently use their learning to: (product, high order reasoning)</b> <ul style="list-style-type: none"><li></li></ul>	
Meaning	
<b>Unit Understanding(s):</b> <b>Students will understand that:</b> <ul style="list-style-type: none"><li>Adding, subtracting, multiplying, dividing, finding a common denominator, and converting fractions is fundamental to all aspects of construction</li><li>Using a ruler is applying fractional concepts in order to measure a given object</li><li>Knowledge of and proper care of tools is integral to safe handling of tools</li><li>Technical reading is required to produce a quality product</li></ul>	<b>Essential Question(s):</b> <b>Students will keep considering:</b> <ul style="list-style-type: none"><li>How is math utilized in the construction trades?</li><li>Why is math foundational to the construction trades?</li><li>What is the role of fractions in construction?</li></ul>
Acquisition	
<b>Knowledge - Students will:</b> <ul style="list-style-type: none"><li>A basic understanding of a variety of measuring tools</li><li>How to read procedures correctly</li><li>Safety protocols for both hand and power tools</li></ul> <b>Reasoning - Students will:</b> <ul style="list-style-type: none"><li></li></ul>	<b>Skills - Students will:</b> <ul style="list-style-type: none"><li>Measure to the nearest 1/16<sup>th</sup> in. with a variety of measuring tools</li><li>Follow written directions to complete a project</li><li>Use a variety of tools correctly to complete a project</li><li>Satisfactorily pass the SPS 2 safety exam</li></ul>

<b>Common Misunderstandings</b> <ul style="list-style-type: none"><li>• Inability to do math</li><li>• Illiteracy in either or both reading and writing</li></ul>	<b>Essential new vocabulary</b> <ul style="list-style-type: none"><li>• </li></ul>
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