

Carpentry Frameworks Based Lesson Plan

Frameworks, 2.H.02, 2.H.03

<b>Course:</b> Carpentry	<b>Grade:</b> 9-12
<b>Instructor:</b>	<b>CIP Code:</b> 460201
<b>Unit:</b> Unit 5	<b>Title:</b> Wall Framing
<p><b>Knowledge, Content and Skills:</b> Identify and describe opening sizes and components for walls, sizes for door headers, wall framing members. Use the floor plan and wall section drawings in the prints to calculate rough openings, identify headers, corners, and wall sheathing.</p> <p><b>Performance objective:</b> Students will be able to: Layout and construct bearing walls using a story pole. Layout and construct bearing wall openings. Sheath a wall. Square-up, Erect and brace wall systems. Construct interior non-load bearing walls.</p>	
<p><b>Competency:</b> 3. Demonstrate use of appropriate personal safety equipment and proper use of emergency equipment. 9. Demonstrate proper safety and use of hand tools. 10. Demonstrate proper use and safety of common power tools. 17. Identify components of a wall and ceiling layout and demonstrate how to cut studs trimmers, cripples, headers to dimension in order to build wall sections including sheathing.</p>	
<p><b>Common Core:</b> Listening: Students will demonstrate the ability to listen and view critically for variety of purposes. Reading Informational Texts Competency: Students will demonstrate the ability to comprehend, analyze and critique a variety of increasingly complex print and non-print informational texts.</p>	
<p><b>Tools, supplies and reference materials:</b> 2x4x8, 2x4x16, ½ plywood sheets, 4’ level, chalk-line, rough framing tool pouch, framing square, circular saw, 12d and 8d coated sinkers, construction adhesive, ladders or scaffold. Career Connections Project Book 3 pages: 177- 223.</p>	
<p><b>Methods of instruction:</b> Demonstration on how to install framing members, including nailing patterns and hammering techniques. Lecture on how to calculate rough openings- using power point presentations. Field trip to a local jobsite or the Union Training Hall to see the task performed by professional carpenters.</p>	
<p><b>Task analysis or activities:</b> Students will identify the framing member needed, measure and use the skill saw to cut plates and studs to length, hand-nail 12d and 8d nails, and install sheathing with construction adhesive and sheathing nails, erect and brace walls.</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.</p>	
<p><b>Instructors Notes:</b></p>	