

Assessment Plan 2023-2024

Carpentry

Mission

Carpentry The Carpentry program focuses on developing a well-rounded tradesman and includes instruction in project planning, drafting, blueprint reading, concrete, cabinetry, framing, the care and use of tools, estimating, construction management, contractor licensing, computers, CADD, human relations, math, and accounting. Shop classes include small woodworking projects, building cabinets, new homes, light commercial construction, and remodeling.

Academic year 2023-2024

Carpentry Learning Outcomes

Safety

Demonstrate safe material handling practices
 Display comprehension of workplace/job site safety procedures (OSHA)
 Exhibit knowledge of SDS and personal protective equipment (PPE)
 Display understanding of hand tool safety issues
 Display understanding of power tool safety issues

MEASURES	RESULTS	ACTIONS
<p>NOCTI Carpentry Assessment</p> <p>Implementation Plan (timeline) Spring</p> <p>Key/Responsible Personnel Les Zimmerman/ Troy Rupp</p> <p>Direct - Exam (Course)</p> <p>Target</p> <p>The mean score will be equal or above the national mean. 23 CARP Comp Score Report.pdf 23 CARP Group Comp Score Report.pdf 23 CARP Standard Score Report.pdf</p>	<p><i>No results have been added.</i></p>	<p><i>No actions have been added.</i></p>
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Tools and Accessories

Use and maintain hand tools
 Use and maintain power tools
 Use and maintain measuring, layout, and marking tools

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Blueprint Reading and Estimation Skills

Demonstrate awareness of general building codes
Display comprehension of dimensions and scales
Read and understand various views and elevations
Display understanding of symbols, lines, and details
Extrapolate information from a set of plans
Estimate materials quantities
Demonstrate awareness of green building practices

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Foundations, Forms, and Concrete

Lay out foundation
Construct and align footing and foundation forms
Install, brace, align, and remove formwork
Understand concrete characteristics

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Rough Framing

Demonstrate understanding of floor systems Demonstrate understanding of wall systems Demonstrate understanding of roof systems Calculate, lay out, and install stairs

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Exterior Finish

Identify and install cornice and trim Calculate and install roofing Identify, prepare, and install windows and doors Calculate, lay out, and install siding

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Interior Finish

Install insulation, Install and finish interior walls and ceilings Install interior doors Install standing and running trim Install cabinets and associated hardware

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Carpentry - Related Mathematics

Perform basic mathematical operations:whole numbers, fractions, and decimalsPerform linear, square, and cubic computationsPerform algebraic and geometric functions

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