

2024-2025 Assessment Plan

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.

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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
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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 formsInstall,brace, align, and remove formwork Understand concrete characteristics

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Rough Framing

Demonstrate understanding of floor systemsDemonstrate 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

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Carpentry - Related Mathematics

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