

## DESE Model Curriculum

**GRADE LEVEL/COURSE TITLE:** Carpentry, Introductory Craft Skills –  
Module 27210-07 Window, Door, Floor, and Ceiling Trim

**Course Code:**

### **COURSE INTRODUCTION:**

17003 Carpentry

Carpentry courses provide information related to the building of wooden structures, enabling students to gain an understanding of wood grades and construction methods and to learn skills such as laying sills and joists; erecting sills and rafters; applying sheathing, siding, and shingles; setting door jambs; and hanging doors. Carpentry courses may teach skills for rough construction, finish work, or both. Students learn to read blueprints, draft, use tools and machines properly and safely, erect buildings from construction lumber, perform finish work inside of buildings, and do limited cabinet work. Carpentry courses may also include career exploration, good work habits, and employability skills.

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<b>UNIT (#) TITLE:</b> Carpentry, Introductory Craft Skills (27210-07) – Window, Door, Floor, and Ceiling Trim [This module covers the different types of trim used in finish work and focuses on the proper methods for selecting, cutting, and fastening trim to provide a professional finished appearance.]		<b>SUGGESTED UNIT TIMELINE:</b> <b>CLASS PERIOD (min.):</b>					
<b>ESSENTIAL QUESTIONS:</b> 1. How do different types of trim materials work best in different locations? 2. What are the functions of trim materials? 3. How are trim materials properly installed?							
<b>ESSENTIAL MEASURABLE LEARNING OBJECTIVES</b>		<b>CCSS LEARNING GOALS (Anchor Standards/Clusters)</b>	<b>CROSSWALK TO STANDARDS</b>				
			<b>GLEs/CLEs</b>	<b>PS</b>	<b>CCSS</b>	<b>OTHER</b>	<b>DOK</b>
1. Identify the different types of standard moldings, and describe their uses.					RST 11-12.3	27210-07	Level 1
2. Make square and miter cuts using a miter box or power miter saw.					RST 11-12.3	27210-07	Level 2
3. Make coped joint cuts using a coping saw.					RST 11-12.3	27210-07	Level 2
4. Select and properly use fasteners to install trim.					RST 11-12.3, F-IF 4	27210-07	Level 2
5. Install interior trim for: <ul style="list-style-type: none"> <li>• Doors</li> <li>• Windows</li> <li>• Base</li> <li>• Ceiling</li> </ul>					RST 11-12.3	27210-07	Level 2
6. Estimate the quantities of different trim materials required for selected rooms.					WHST 11-12.6, N-Q 1, N-Q 2, N-Q 3, G-GPE 7, G-GMD 4, G-MG 1-3	27210-07	Level 2

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<p><b>ASSESSMENT DESCRIPTIONS*:</b> (Write a brief overview here. Identify Formative/Summative. Actual assessments will be accessed by a link to PDF file or Word doc.)</p>	
<p><b>*Attach Unit Summative Assessment, including Scoring Guides/Scoring Keys/Alignment Codes and DOK Levels for all items. Label each assessment according to the unit descriptions above (i.e., Grade Level/Course Title/Course Code, Unit #).</b></p>	
<p><b>Obj. #</b> 1-6</p>	<p><b>INSTRUCTIONAL STRATEGIES (research-based): (Teacher Methods)</b></p> <p><input checked="" type="checkbox"/> Direct</p> <p><input type="checkbox"/> Indirect</p> <p><input type="checkbox"/> Experiential</p> <p><input type="checkbox"/> Independent Study</p> <p><input type="checkbox"/> Interactive Instruction</p>
<p><b>Obj. #</b> 1-6</p>	<p><b>INSTRUCTIONAL ACTIVITIES: (What Students Do)</b></p> <p>1.</p> <p>2.</p> <p>3.</p>
<p><b>UNIT RESOURCES: (include Internet addresses for linking)</b></p> <p><b>(MCCE Resource) T&amp;I DVD ROM 10</b> <b>Building Construction: Fundamentals</b> <b>CEV Multimedia</b> <b>LUBBOCK, TX, CEV MULTIMEDIA, 2003.</b></p> <p><b>DVD ROM</b> This presentation includes how to layout plates, make corners and tees, construct wall units, partitions, window and door units and headers. Step-by-step instructions are provided for cutting ceiling joists and rafters with demonstrations on proper techniques for some of the more exacting procedures (“lipping” a joist, cutting a “birdsmouth,” marking a ridgeboard and assembling the rafters) necessary for beginning builders. During completion of the 16’ X 10’ portable building, you will learn proper techniques for laying a roof with discussions and demonstrations of the following roof construction steps: laying the roof deck, attaching metal flashing along the edges, rolling out and laying the roofing felt, marking the felt to prepare it for the asbestos shingles, and cutting a nailing composition shingles in an effective method and pattern. 160 min, 4 sections, 1 printable resource and 17 Web resources.</p> <p><b>(MCCE Resource) TE DVD ROM 11</b></p>	

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**Course Code:**

**Deconstruction: The Science of Building a House-Plumbing to Paint**

**Discovery Channel University**

**LAWRENCEVILLE, NJ, SHOPWARE, 2004.**

**DVD ROM**

A home is more than a house; technologically speaking, it's an engineered habitat. This video explains how electrical, plumbing, and HVAC systems work with selected parts of the building envelope — building wrap, windows, fiberglass insulation, gypsum wallboard, and paint — to keep the weather out and comfort in. Animated diagrams, microscopic and thermal imaging, on-site demonstrations, and off-site tests are used to show how things like circuit breakers and P-traps work; to define U-factor, R-value, permeance, and other technical terms and concepts; to demonstrate color-matching and paint-making; and to isolate envelope failures leading to moisture infiltration and mold. A visit to a USG wallboard plant is also included. 50 minutes.