

DESE Model Curriculum

GRADE LEVEL/COURSE TITLE: Carpentry, Introductory Craft Skills –
Module 27208-07 Doors and Door Hardware

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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UNIT (#) TITLE: Carpentry, Introductory Craft Skills (27208-07) – Doors and Door Hardware [This module covers the installation of metal doors and related hardware in steel-framed, wood-framed, and masonry walls, along with their related hardware, such as locksets and door closers. The module also covers the installation of wooden doors, folding doors, and pocket doors.]	SUGGESTED UNIT TIMELINE: CLASS PERIOD (min.):					
ESSENTIAL QUESTIONS: 1. How are doors and door hardware selected to best fit their locations and purposes? 2. How can equipment be used to install doors and door hardware?						
ESSENTIAL MEASURABLE LEARNING OBJECTIVES	CCSS LEARNING GOALS (Anchor Standards/Clusters)	CROSSWALK TO STANDARDS				
		GLEs/CLEs	PS	CCSS	OTHER	DOK
1. Identify various types of doorjambs and frames, and demonstrate the installation procedures for placing selected doorjambs and frames in different types of interior partitions.				N-Q 1, N-Q 3	27208-07	Level 1, Level 2
2. Identify different types of interior doors.				L 11-12.6	27208-07	Level 1
3. Identify different types of interior door hardware, and demonstrate the installation procedures for selected types.					27208-07	Level 1, Level 2
4. Demonstrate the correct and safe use of the hand and power tools described in this module.					27208-07	Level 2
5. List and identify specific items included on a typical door schedule.					27208-07	Level 1
6. Demonstrate the procedure for placing and hanging a selected door.				N-Q 1, N-Q 3	27208-07	Level 2
ASSESSMENT DESCRIPTIONS*: (Write a brief overview here. Identify Formative/Summative. Actual assessments will be accessed by a link to PDF file or Word doc.) *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 #.)						

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Obj. # 1-6	INSTRUCTIONAL STRATEGIES (research-based): (Teacher Methods) <input checked="" type="checkbox"/> Direct <input type="checkbox"/> Indirect <input type="checkbox"/> Experiential <input type="checkbox"/> Independent Study <input type="checkbox"/> Interactive Instruction
Obj. # 1-6	INSTRUCTIONAL ACTIVITIES: (What Students Do) 1. 2. 3.
<p>UNIT RESOURCES: (include Internet addresses for linking) (MCCE Resource) T&I DVD ROM 10 Building Construction: Fundamentals CEV Multimedia LUBBOCK, TX, CEV MULTIMEDIA, 2003. DVD ROM 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>(MCCE Resource) TE DVD ROM 13 The Future of Home Construction: New Techniques, New Technologies Meridian Education Corporation MONMOUTH JCT., NJ, MERIDIAN EDUCATION CORPORATION, 2001. VIDEO This program travels to the National Association of Home Builders’ Research Center to study four townhouses constructed using some of today’s most innovative building materials and energy-saving technologies. Filmed at each stage of construction, these houses showcase foundations made of precast, pre-insulated, high-strength reinforced concrete or insulating concrete forms; walls made of ICFs, Hebel blocks, or steel framing; exterior finishes that incorporate thermally elastic stucco; and standing seam steel roofs. Photovoltaic roofing panels, a natural gas heat pump that uses a non-CFC refrigerant, an electronic home energy management system, gas fireplaces, doors made from sawmill residue and wood scraps, a geothermal heat pump, a pellet stove, and a combined space heating and water heating system are also featured. 11 minutes.</p>	

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