

DESE Model Curriculum

GRADE LEVEL/COURSE TITLE: Carpentry, Introductory Craft Skills –
Module 27204-07 Exterior Finishing

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.

UNIT (#) TITLE:

SUGGESTED UNIT TIMELINE:

DESE Model Curriculum

GRADE LEVEL/COURSE TITLE: Carpentry, Introductory Craft Skills –
Module 27204-07 Exterior Finishing

Course Code:

Carpentry, Introductory Craft Skills (27204-07) – Exterior Finishing [This module covers the various types of exterior siding used in residential construction and their installation procedures, including wood, metal, vinyl, and cement board siding.]		CLASS PERIOD (min.):				
ESSENTIAL QUESTIONS:						
1. How are different siding materials used for different purposes?						
2. What should be considered when selecting siding materials?						
ESSENTIAL MEASURABLE LEARNING OBJECTIVES	CCSS LEARNING GOALS (Anchor Standards/Clusters)	CROSSWALK TO STANDARDS				
		GLEs/CLEs	PS	CCSS	OTHER	DOK
1. Describe the purpose of wall insulation and flashing.					27204-07	Level 1
2. Install selected common cornices.					27204-07	Level 2
3. Demonstrate lap and panel siding estimating methods.				N-Q 1, N-Q 2, N-Q 3, G-GMD 4, G-MG 1, G-MG 2, G-MG 3	27204-07	Level 2
4. Describe the types and applications of common wood siding.					27204-07	Level 1
5. Describe fiber-cement siding and its uses.					27204-07	Level 1
6. Describe the types and styles of vinyl and metal siding.					27204-07	Level 1
7. Describe the types and applications of stucco and masonry veneer finishes.					27204-07	Level 1
8. Describe the types and applications of special exterior finish systems.					27204-07	Level 1
9. Install three types of siding commonly used in your area.					27204-07	Level 2

DESE Model Curriculum

GRADE LEVEL/COURSE TITLE: Carpentry, Introductory Craft Skills –
Module 27204-07 Exterior Finishing

Course Code:

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 #.)	
Obj. # 1-9	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. # 1-9	INSTRUCTIONAL ACTIVITIES: (What Students Do) 1. 2. 3.
<p>UNIT RESOURCES: (include Internet addresses for linking) (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>	