

DESE Model Curriculum

GRADE LEVEL/COURSE TITLE: Carpentry, Introductory Craft Skills –
Module 00101-09 Basic Safety

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 (00101-09) – Basic Safety [Course Description Missing from Original]		SUGGESTED UNIT TIMELINE: CLASS PERIOD (min.):				
ESSENTIAL QUESTIONS: 1. Why is safety an ongoing issue within the construction trade? 2. How does OSHA help ensure safety on the worksite? 3. How can individual workers promote safety?						
ESSENTIAL MEASURABLE LEARNING OBJECTIVES	CCSS LEARNING GOALS (Anchor Standards/Clusters)	CROSSWALK TO STANDARDS				
		GLEs/CLEs	PS	CCSS	OTHER	DOK
1. Explain the idea of a safety culture and its importance in the construction crafts.				SL 11-12.1.a, SL 11-12.1.c	00101-09	Level 2
2. Identify causes of accidents and the impact of accident costs.				SL 11-12.1.a, SL 11-12.1.c	00101-09	Level 1, Level 2
3. Explain the role of OSHA in job-site safety.				SL 11-12.1.a, SL 11-12.1.c	00101-09	Level 2
4. Explain OSHA’s General Duty Clause and 1926 CFR Subpart C.				SL 11-12.1.a, SL 11-12.1.c	00101-09	Level 1
5. Recognize hazard recognition and risk assessment techniques.				SL 11-12.1.a, SL 11-12.1.c	00101-09	Level 1
6. Explain fall protection, ladder, stair, and scaffold procedures and requirements.				SL 11-12.1.a, SL 11-12.1.c, F-IF 2, F-IF 4, F-BF 1, F-LE 1, F-LE 5	00101-09	Level 1
7. Identify struck-by hazards and demonstrate safe working procedures and requirements.					00101-09	Level 1, Level 2
8. Identify caught-in-between hazards and demonstrate safe working procedures and requirements.					00101-09	Level 1, Level 2
9. Define safe work procedures to use around electrical hazards.				SL 11-12.1.a, SL 11-12.1.c	00101-09	Level 1
10. Demonstrate the use and care of appropriate personal protective equipment					00101-09	Level 2

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(PPE).						
11. Explain the importance of hazard communications (HazCom) and Material Safety Data Sheets (MSDSs).				SL 11-12.1.a, SL 11-12.1.c	00101-09	Level 2
12. Identify other construction hazards on your job site, including hazardous material exposures, environmental elements, welding and cutting hazards, confined spaces, and fires.				SL 11-12.1.a, SL 11-12.1.c	00101-09	Level 1
13. Demonstrate an understanding of safety through the OSHA 10-hour safety course and assessment.				SL 11-12.1.a, SL 11-12.1.c	00101-09	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 #).						
Obj. # 1-13	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. # 1-13	INSTRUCTIONAL ACTIVITIES: (What Students Do) 1. 2. 3.					
UNIT RESOURCES: (include Internet addresses for linking) (MCCE Resource) T&I DVD ROM 1.2						

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Course Code:

Safety Doesn't Happen By Chance

Meridian Education Corporation

PRINCETON, NJ, MERIDIAN EDUCATION CORPORATION, 2001.

DVD ROM This program provides a guide to basic construction safety concerns and practices. Topics include: Personal protective equipment, including hardhats, protective glasses and goggles, clothing, and boots; Tool safety rules and tips; Electrical safety practices, including use of ground-fault circuit interruptors (GFCIs); Hazard communication, such as material safety data sheets (MSDS); Ladder and scaffold safety. A summary of the main points concludes the program. 12 minutes

(MCCE Resource) T&I DVD ROM 1.3

Jobsite Safety

Shopware

LAWRENCEVILLE, NJ, FILMS MEDIA, 2008.

DVD ROM This program illustrates the key issues residential builders and workers need to focus on in order to reduce accidents and injuries. Based on the NAHB-OSHA Jobsite Safety Handbook, the program conveys a wide range of safety information in easy-to-understand demonstrations. Topics include the use of personal protective gear, such as hard hats, gloves, and steel-toed shoes, as well as scaffolding, ladders, stairways, vehicles, mobile machinery, and other equipment. Site organization, lifting safety, electrical safety, trenching, excavation, fire prevention, basic fall protection, and hazard signage and communication are also covered. 21 minutes.