

DESE Model Curriculum

GRADE LEVEL/COURSE TITLE: Carpentry, Introductory Craft Skills –
Module 00104-09 Introduction to Power Tools

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.

DESE Model Curriculum

GRADE LEVEL/COURSE TITLE: Carpentry, Introductory Craft Skills –
Module 00104-09 Introduction to Power Tools

Course Code:

UNIT (#) TITLE: Carpentry, Introductory Craft Skills (00104-09) – Introduction to Power Tools [This module introduces power tools commonly used in the construction trade. Trainees will learn how to safely use and properly maintain a variety of power tools.]		SUGGESTED UNIT TIMELINE: CLASS PERIOD (min.):				
ESSENTIAL QUESTIONS: 1. Why are power tools useful in construction? 2. How can power tools be properly used and maintained? 3. When is it appropriate to use power tools over hand tools?						
ESSENTIAL MEASURABLE LEARNING OBJECTIVES	CCSS LEARNING GOALS (Anchor Standards/Clusters)	CROSSWALK TO STANDARDS				
		GLEs/CLEs	PS	CCSS	OTHER	DOK
1. Identify power tools commonly used in the construction trades.				SL 11-12.5, SL 11-12.1.a, RI 11-12.7, RST 11-12.2	00104-09	Level 1
2. Use power tools safely.					00104-09	Level 2
3. Explain how to maintain power tools properly.				SL 11-12.1.a	00104-09	Level 1
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. # 1-3	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. # 1-3	INSTRUCTIONAL ACTIVITIES: (What Students Do) 1. 2.					

DESE Model Curriculum

GRADE LEVEL/COURSE TITLE: Carpentry, Introductory Craft Skills –
Module 00104-09 Introduction to Power Tools

Course Code:

	3.
--	-----------

UNIT RESOURCES: (include Internet addresses for linking)

(MCCE Resource) AG DVD ROM 100
Basic Methods of Measuring and Cutting Shopware
HAMILTON, NJ, FILMS MEDIA GROUP, 2004.
DVD ROM
This program reviews the English and metric measurement systems, and demonstrates how to measure and mark lumber and then cut with handsaws and portable power saws. Includes background on the careful and appropriate use of hand and power tools. 13 minutes.

(MCCE Resource) AG DVD ROM 101
Ripping and Crosscutting
Shopware
HAMILTON, NJ, FILMS MEDIA GROUP, 2004.
DVD ROM
This program shows students the professional way to rip and crosscut with smooth precision. Includes background on the careful and appropriate use of hand and power tools involved. 14 minutes.

(MCCE Resource) AG DVD ROM 102
Working With Nails and Screws
Shopware
HAMILTON, NJ, FILMS MEDIA GROUP, 2004.
DVD ROM
This program demonstrates how to drive and remove nails and explains how to work with wood screws--from pre-drilling, to countersinking and plugging, to increasing their holding power. Includes background on the careful and appropriate use of the hand and power tools involved. 17 minutes.