
Coal City Unit District #1
Woods 3
Career and Technical Curriculum

CTE.W3:1 The student will identify the elements of shop safety.

- CTE.W3:1-1 Identify safety rules and requirements from OSHA's 1910 Standards related to the woodworking industry.
- CTE.W3:1-2 Describe common hazards specific to the woodworking industry (electrical, chemical, mechanical).
- CTE.W3:1-3 Identify common hazardous chemicals in the workplace.
- CTE.W3:1-4 Demonstrate Appropriate Use of Tools.

CTE.W3:2 The student will demonstrate basic cabinet & furniture making skills.

- CTE.W3:2-1 Demonstrate levelness & plumbness of a surface.
- CTE.W3:2-2 Check stock and assemblies for squareness.
- CTE.W3:2-3 Distinguish among popular applications of cabinets in residential and commercial installation.

CTE.W3:3 The student will accurately cut and shape stock.

- CTE.W3:3-1 Cut stock to size +/- 1/16 inch.
- CTE.W3:3-2 Cut various joints including: Dado, Rabbet, Mortise & Tenon, Spline, and Tongue & Groove.
- CTE.W3:3-3 Produce turned parts using a lathe.

CTE.W3:4 The student will assemble, fasten, and install furniture components.

- CTE.W3:4-1 Recognize common joinery techniques.
- CTE.W3:4-2 Create appropriate wood joints for various applications.
- CTE.W3:4-3 Construct carcasses and face frames.
- CTE.W3:4-4 Explain procedures for assembling panel doors.

CTE.W3:5 The student will explore furniture design.

- CTE.W3:5-1 Create a rough sketch.
- CTE.W3:5-2 Identify design considerations related to furniture construction.
- CTE.W3:5-3 Identify advantages of using CAD software vs. hand drawing.
- CTE.W3:5-4 Draw detailed plans using CAD software.

CTE.W3:6 The student will estimate and select materials.

- CTE.W3:6-1 Determine materials from a plan
- CTE.W3:6-2 Determine use of materials.
- CTE.W3:6-3 Identify appropriate hangers, hinges, and hardware to be used on

doors shelve to complete a project.

CTE W3:6-4 Demonstrate proper installation of hardware, hangers, and doors.