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**Coal City Unit District #1**  
**Residential DIY**  
**Career and Technical Curriculum**

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**CTE.RDIY:1 Students will identify the elements of basic shop safety.**

- CTE.RDIY:1-1 Identify tools and procedures for appropriate personal safety.
- CTE.RDIY:1-2 Select the appropriate safety equipment.
- CTE.RDIY:1-3 Demonstrate safe use of tools.

**CTE.RDIY:2 Students will demonstrate correct framing.**

- CTE.RDIY:2-1 Identify tools used for framing.
- CTE.RDIY:2-2 Identify wall components.
- CTE.RDIY:2-3 Identify wood defects.
- CTE.RDIY:2-4 Demonstrate proper wall framing.

**CTE.RDIY:3 Students will demonstrate accurate use of measurement and computations.**

- CTE.RDIY:3-1 Identify measuring and leveling tools.
- CTE.RDIY:3-2 Demonstrate the measuring of stock that is to be cut to length.

**CTE.RDIY:4 Students will demonstrate correct electrical wiring.**

- CTE.RDIY:4-1 Identify tools and components used for electrical work.
- CTE.RDIY:4-2 Demonstrate safe wiring practices.
- CTE.RDIY:4-3 Demonstrate proper wiring of an outlet, switch, and light.

**CTE.RDIY:5 Students will demonstrate proper drywall installation and finishing.**

- CTE.RDIY:5-1 Identify tools and components used in drywall work.
- CTE.RDIY:5-2 Demonstrate cutting, hanging and taping drywall.
- CTE.RDIY:5-3 Demonstrate drywall finishing including filling screw holes and sanding seams.
- CTE.RDIY:5-4 Demonstrate drywall priming and painting.

**CTE.RDIY:6 Students will demonstrate proper plumbing methods.**

- CTE.RDIY:6-1 Identify tools and components used in residential plumbing.
- CTE.RDIY:6-2 Demonstrate the use of various plumbing tools.
- CTE.RDIY:6-3 Demonstrate soldering of copper pipe.
- CTE.RDIY:6-4 Demonstrate proper methods of adhesion for pvc pipe.
- CTE.RDIY:6-5 Identify various types of valves.

**CTE.RDIY:7 Students will install and complete plumbing on a vanity.**

- CTE.RDIY:7-1 Identify tools and components used for vanity installation.
- CTE.RDIY:7-2 Demonstrate installation of the basin.
- CTE.RDIY:7-3 Demonstrate installation of the waste lines.
- CTE.RDIY:7-4 Demonstrate the installation of the supply lines.

**CTE.RDIY:8 Students will install and grout tile.**

- CTE.RDIY:8-1 Identify tools and components used for tile installation.
- CTE.RDIY:8-2 Demonstrate installation of tile.
- CTE.RDIY:8-3 Demonstrate installation of the grout.