

Residential Plumbing

Academic Representative



Technology Education Concepts

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Description

In Residential Plumbing, students gain a solid understanding of the tools, terms, and techniques found in the plumbing industry. After a thorough orientation to safety standards and procedures as well as the Student Residential Plumbing Center, students put together and take apart a lavatory faucet. Next, they mount a kitchen sink faucet and install a kitchen sink waste water removal system, install a shower head and faucet, and outside faucets. As students complete each hands-on activity, they learn about the kinds of CPVC pipes and fittings, the four basic areas of home plumbing, types of plumbing lines, and much more.

Skills

- Diagram a home's plumbing
- Properly plumb valves
- Plumb a kitchen faucet
- Install bathroom shower fixtures and drain
- Install drain line in a home

Knowledge

- Proper installation of clean water lines and waste water lines
- Pipe types and sizes
- Common plumbing components
- Safe residential plumbing procedures

Activities

- Activity 1 - Introduction
- Activity 2 - Lavatory Faucet
- Activity 3 - Kitchen Sink Faucet
- Activity 4 - Wastewater Removal
- Activity 5 - Showerhead and Faucet
- Activity 6 - Water Supply to the Bathroom
- Activity 7- Vents, Cleanouts, and Outside Faucets
- Activity 8 - Bathroom Tub Wastewater Removal
- Activity 9 - Service Entrance
- Activity 10 - Post-Test and Wrap-up
- Activity 11 - Bonus Activities
- Activity 12 - Challenge
- Activity 13 - Open-Ended Challenge
- Activity 14 - Careers
- Activity 15 - Internet

Standards

Math/Measure Problem Solving Reading

Module Includes:

Student Activity Guide, DEPCO Residential Plumbing Workcenter, DEPCO Student Plumbing Panel, Residential Plumbing Component Kit, Residential Plumbing Tool Kit

Requirements

The Residential Plumbing storage cabinet must be shipped via LTL truck because of the crated size and weight.

Student Plumbing Panels will need to be purchased for additional classes. One plumbing panel is included with TM9800.

Curriculum Specifications

Format 2000. The Residential Plumbing curriculum consists of a well-illustrated student activity guide with 10 daily activities and 5 additional enrichment activities including careers, problem solving, challenge activities, vocabulary reinforcement, and Internet.

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