

APR 165 : PLUMBING BASIC INSTALLATION 2

Transcript title

Plumbing Basic Installation 2

Required materials

Materials not required.

Credits

2

Grading mode

Standard letter grades

Total contact hours

40

Other hours

40

Prerequisites

APR 164.

Course Description

Reviews proper techniques for installing and testing water heaters to ensure safe and efficient operation. Develops skills in and provides hands-on practice in identifying, troubleshooting, and repairing water heaters, plumbing fixtures, valves, and faucets. Emphasizes importance of following federal guidelines and performing up to industry standards. Examines and applies code requirements as well as regulatory expectations to ensure high-quality installations and repairs. Designed for registered apprentices in the plumbing trade.

Course learning outcomes

1. Identify and explain the functions of the basic components of water heaters.
2. Install both an electric and gas water heater and describe the safety hazards associated with both.
3. Identify the major components of the following fuel systems and describe the function of each component: natural gas, LP gas (liquefied petroleum gas), and fuel oil.
4. Demonstrate familiarity with applicable fuel gas codes.
5. Identify the proper procedures for repairing and maintaining fixtures, valves, and faucets.
6. Relate the provisions of the UPC to all types of plumbing installations.

Content outline

1. Proper installation and testing techniques for water heaters.
2. Identify, troubleshoot, and repair water heaters, plumbing fixtures, valves, and faucets.
3. Practice with plumbing systems to enhance practical skills.
4. Compliance with federal guidelines and industry standards.
5. In-depth examination and application of code requirements for each topic.
6. Preparation to meet regulatory expectations and perform high-quality plumbing installations and repairs.