

## Objective

By the end of this lesson, Jordan will have a foundational understanding of plumbing concepts, vocabulary, and practical skills. He will also develop critical thinking and problem-solving skills through engaging activities that connect plumbing to everyday life.

## Materials and Prep

- Notebook and pencil for notes and sketches
- Access to a computer or tablet for research
- Plumbing tools (if available) for hands-on activities
- Printed vocabulary list related to plumbing
- Materials for a simple plumbing project (e.g., plastic tubing, connectors, water source)

Before the lesson, ensure that the workspace is safe and that all tools are organized. Familiarize yourself with basic plumbing terminology and concepts to guide discussions.

## Activities

### • Reading and Vocabulary Building:

Jordan will read a short article or chapter on the basics of plumbing. After reading, he will create a vocabulary list of new terms and their definitions. This will help him understand the language of plumbing.

### • Hands-On Project:

Using the materials provided, Jordan will design and build a simple water system model. This could be a mini fountain or a basic irrigation system. He will document the process in his notebook.

### • ASL Vocabulary:

Jordan will learn and practice American Sign Language (ASL) signs for plumbing-related terms like "pipe," "water," and "faucet." This will enhance his communication skills and make learning more inclusive.

### • Critical Thinking Challenge:

Jordan will solve plumbing-related problems through hypothetical scenarios (e.g., "What would you do if a pipe bursts?"). He will write down his solutions and discuss the reasoning behind them.

### • Life Skills Discussion:

Jordan will engage in a discussion about the importance of plumbing in daily life, including how to identify plumbing issues and when to call a professional. This will build practical knowledge and common sense.

## Talking Points

- "Plumbing is essential for our daily lives; it helps us access clean water and dispose of waste safely."
- "Understanding plumbing vocabulary will make it easier for you to communicate with

professionals when needed."

- "Hands-on projects allow you to apply what you learn and make the concepts more tangible."
- "Critical thinking is key in plumbing; sometimes you have to troubleshoot to find solutions."
- "Learning ASL signs for plumbing terms can help you communicate with a broader audience."
- "Recognizing plumbing issues early can save money and prevent bigger problems down the line."
- "Every skill you learn in plumbing can be applied to other areas of life; it's all about problem-solving!"