

Objective

By the end of this lesson, the student will understand the basic properties of water, including its ability to flow, take the shape of its container, and its importance to all living things. The student will also engage in fun activities that demonstrate these properties.

Materials and Prep

- Water (from the tap)
- Clear containers (like cups or bowls)
- Different shapes of containers (like a bottle, a glass, or a bucket)
- Towels (for spills)
- Measuring cups (if available)

Before starting, make sure to have a space that can get wet and have towels ready for any spills. Explain to the student that they will be exploring water and its fun properties!

Activities

- **Water Pouring Experiment:** Let the student pour water from one container to another. Ask them to observe how the water flows and takes the shape of the container they pour it into. This helps them see that water can change shape!
- **Water Fill and Spill:** Give the student different containers and let them fill each one with water. Encourage them to notice which container holds more water. This will teach them about capacity and volume in a fun way!
- **Water Freeze and Melt:** If you have space in the freezer, fill a container with water and place it inside. After a few hours, take it out and show them how the water turned into ice. Then, let them watch it melt back into water. This will introduce them to the concept of states of matter!

Talking Points

- "What happens when we pour water? Does it stay the same shape?"
- "Can you tell me how many cups of water fit in this big container? Let's count together!"
- "What do you think will happen to the water if we put it in the freezer? Let's wait and see!"
- "Why do you think water is important for plants and animals? Can you think of some things that need water?"
- "Water can be a solid, like ice, or a liquid, like what we have here. Can you think of other places we see water?"