

Unit Name/Theme: Water/Pour it Out!

What are we doing? Children will be exploring volume using containers and measuring cups.

Purpose/Why? Children will gain an understanding of volume, bigger versus smaller, how water moves, pouring. The skills children will be working on are measuring, comparison, experimentation, and observation.

Materials:

Provided:

- Measuring cups

You will need to provide:

- Containers of similar size but different shapes
- Tub or bucket for water
- Space that can get wet.

Books:

“Capacity” (Math Counts) by Henry Pluckrose



Quick Start:

Set out a tub or bucket of water with measuring cups. Let the children use the cups to dip and pour the water. Talk about the different sizes of the cups and how the water moves. See what happens when you pour from up high versus down low. Have the children tell you about what they are observing.



Deeper Dive:

Take the containers and talk about how they are similar and different. Pick one size cup and use it to fill each container. Count how many of the cups must be used to fill each container. Talk about how the containers are similar and different. Sort by shape, sort by size.

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Ask a Question:

- What kind of splash happens when you pour the water from up high?
- What kind of splash happens when you pour the water down low?
- Which container is bigger?
- How can you tell if containers of different shapes will hold the same amount of water? What else can you use?



Vocabulary Builder:

- Pour
- Volume
- Splash
- Shape
- Size
- Compare
- Measure
- Different
- Same
- Big
- Small

Other Activities: Make predictions about other containers shapes and sizes. Explore different ways to make small and large splashes.