

Unit of Study: (Water)

Essential Question: What does water do?

Focus Questions:

- 1-Where can we find water?
- 2-What happens to water when it changes temperature?
- 3-What happens when we put things in water?
- 4-How does water help us?

Student Outcomes

- 1-Water is all around us.
- 2-Water changes depending on how warm or cold it is.
- 3-Some things float in water and some sink.
- 4-Some things change when you put them in water.
- 5-All living things need water.

Literacy Activities

- 1- Sing the song "Rain Rain go away" highlighting /r/ sound. How many words can you think of that begin with the letter r and create your own list of words.
- 2-Take a walk throughout your neighborhood and have a discussion of all the water sources that you observe. An example would be a person using a water hose to water his/her lawn.

Art Activities

Ice cube painting

1-Make colored ice cubes out of water and food coloring. Insert a popsicle /toothpick into the water as it freezes to create a handle for children to hold while painting. Children can then use the colored ice to paint (Before they begin painting ask his/her to predict how the paints will work and what will happen as they are used.

Painting with bubbles

Make a bubble solution using dish detergent blow bubbles onto a thick piece of paper to create a picture.

Science Activities

Sink vs. float experiment

Collect an assortment of objects from your home as well as a tub of water. Invite your child to place the objects into the water and engage in a conversation as to what he/she observes.

Celery stalk experiment

Fill a container with colored water, add a leafy celery stalk to the water. Ask your child to predict what will happen if you leave the stalk in the water overnight. The following day observe the results and discuss about how the water travel up the celery stalk.

Music/Movement Activities

Freeze Dance

Play different kinds of music on a radio or cell phone and encourage your child to dance freely pause the music at various points and tell them to FREEZE (Stop) when he/she hear the music stop.

Water balloon toss

Fill a balloon with water and practice eye- hand coordination by tossing the balloon back and forth.

Math Activities

Drops on a penny

Provide a penny, a water dropper and a container of water. Encourage your child to count how many drops of water can fit on the penny.

Count as you toss

Refer to the water balloon toss activity in the movement section then, count as you toss the balloon.

Cooking/Mixing Activities

Bubbles

Make homemade bubbles. Mix a couple drops of dish detergent in a cup of water and blow bubbles using a wand or a wire coat hanger bend into a circular shape.

Before and After Water

Explore Pasta/rice before and after cooking in water. Have a discussion how hot water changes the pasta/rice.

Vocabulary:

beach, cloud, deep, environment, faucet, fountain, hail, lake, ocean, pond, puddle, rain, sea, snow, storm, water, weather, boil, condensation, evaporate, form, freeze, gas, ice, liquid, melt, observe, precipitation, predict, solid, state, absorb, float, sink, soak, swim, umbrella, clean, drink, sweat, thirst, wash

District 20 Pre-K Centers