



Spot the Rainbow

Ages: Pre-K +

Spot a rainbow in the mist while watering

What You'll Need:

1. Sun
2. Garden Hose

How To

1. Simply stand with your back to the sun and adjust the hose to a fine spray.
2. See if you can spot a rainbow

Challenge:

How many colors can you count in the rainbow? Does changing the water pressure change the amount of colors?

Sunlight is a mixture of colors. When it passes through a glass prism, some of the light is bent, or refracted, more than other portions. Light leaving the prism spreads out into a continuous band of colors called a spectrum. Just as sunlight passing through a prism is bent, so is sunlight passing through drops of water. This produces an atmospheric solar spectrum in the sky for all to see: a rainbow.

Paint with Ice

Ages: Pre-K - 3rd Grade

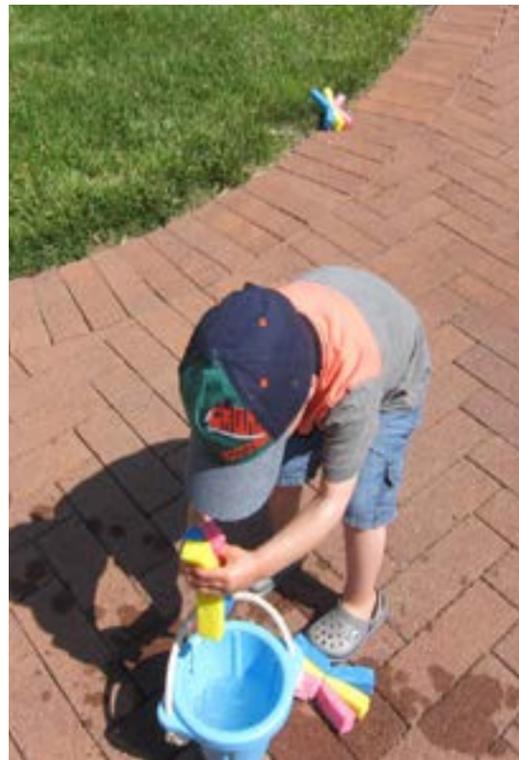
What You'll Need:

1. Ice cube tray
2. Water
3. Food coloring
4. Popsicle sticks
5. Paper (or fabric)
6. Newspaper or other table protector

How to:

1. Pour water evenly into an ice cube tray
2. Add just a tiny drop of food coloring to an ice cube mold and mix well. Repeat with other desired colors.
3. Place a short popsicle stick into each ice cube mold and freeze for 4 hours or overnight
4. Lightly pull on a popsicle stick to remove it from the tray
5. Cover table in newspaper and place the pieces of paper or fabric you will be painting with on top of the newspaper
6. Hold on to the popsicle stick and start painting





Fill The Bucket Race

Ages: K-5th Grade

Transfer water from full bucket at one end to empty bucket with only a sponge

What you'll need:

1. Buckets (2 per person)
2. Sponges, preferably car wash sponges (1 per person)
3. Water
4. Timer

How to:

1. Fill one bucket of water for each player
2. For each player, place one bucket of water 1-2 feet away from an empty bucket
3. Give player a sponge. Using only the sponge, players must transfer water from the full bucket to the empty bucket.
4. Set a timer for 1 minute.
5. The winner is the person who transferred the most water after 1 minute.

Challenge:

To make this activity more difficult you can create an obstacle course between the 2 buckets, have players use only one hand, hop on one foot, or anything else you can imagine!

Water Limbo

Ages: Grades K-5

Use a hose to create the "limbo stick"

What you'll need:

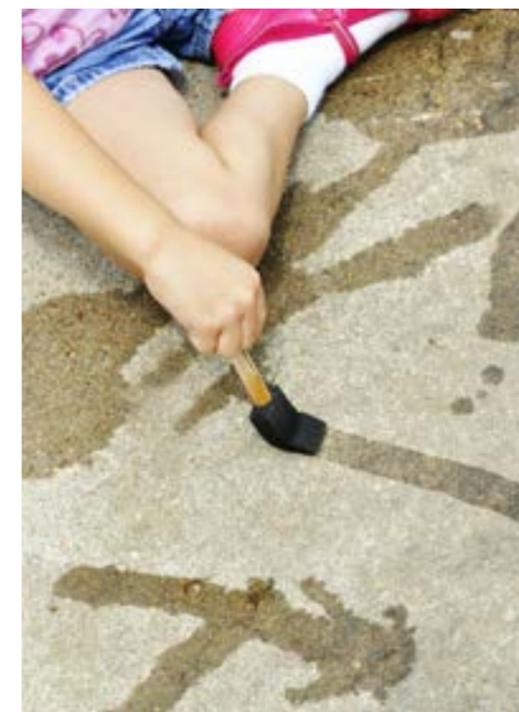
1. Garden/water hose

How to:

1. Get out the water hose
2. Create a steady stream of water
3. Each person limbos under the stream of water without getting wet
4. After every person has gone, lower the stream of water
5. The last person to get wet wins

Challenge:

Instead of going under the stream of water, each person can try jumping over the stream of water.



Paint with Water

Ages: Pre-K+

Get outdoors and enjoy some fresh air with this fun activity that lets you explore your creativity and imagination on a hot summer day

What You'll Need:

1. Paint brushes/sponges/etc
2. Water
3. Bowl or bucket

How to:

1. Fill a bowl or bucket with water
2. Grab your paint brushes and sponges
3. Find a concrete surface and paint away

Added Twist:

To brighten up this traditional activity add sidewalk chalk to create an easy outdoor watercolor painting.

1. Draw your designed picture with the sidewalk chalk
2. Lightly stroke water dipped brush or sponge over the picture
3. Watch as the colors blur together to create a soft and lovely effect

Infused Water

Ages: Pre-K+

Stay hydrated on hot summer days and set up a taste testing experiment by adding fruits and vegetables to water

How To:

1. Pick your favorite fruits/vegetables/herbs and chop them up
2. Place your desired combination of fruit, vegetables and/or herbs in a glass or large pitcher.
3. Add ice and fill with water.
4. Infused water is best 2-4 hours after you've made it. While you're waiting, you can come up with fun names for your drinks

Flavor Suggestions:

Citrus Blast (Lemon, Orange, Lime)

Berry Burst (Strawberry, Raspberry, Blueberry)

Rainbow (Strawberry, Orange, Pineapple, Kiwi, Blueberry, Raspberry)

Strawberry Kiwi Lime

Watermelon Cucumber Strawberry

Healthy Tips:

The more produce added the more flavorful the water will be. Infusing can take place at room temperature for 2 hours, but to prevent bacteria growth infusions should be stored in the fridge if soaking for longer than a couple hours.



Lava Lamp Reaction

Ages: 3-5 th Grade

What you'll need:

1. Clear plastic bottle with cap
2. Vegetable oil
3. Water
4. Food Coloring
5. Alka-Seltzer tablets
6. Funnel

How to:

1. Fill the bottle $\frac{3}{4}$ full with vegetable oil
2. Fill the rest of the bottle with water (almost to the top without overflowing)
3. Add 4 to 5 drops of food coloring
4. Divide an Alka-Seltzer tablet into 4 pieces
5. Drop one of the Alka-Seltzer pieces into the bottle
6. Watch what happens. When the bubbling stops, add another Alka-Seltzer piece.
7. When you have used all the Alka-Seltzer pieces and the bubbling has completely stopped, secure the bottle with the cap.



Other activities to try:

[Water Xylophone](#)

[Food & Water Absorption](#)

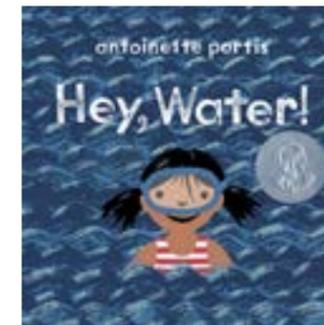
[Blooming Flowers](#)

[Dump the Cup](#)

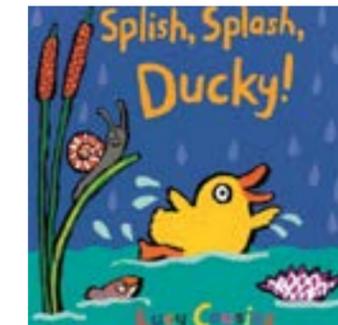
Bedtime Math Highlight:

[Yes, You're Made of Water](#)

Library Book Picks



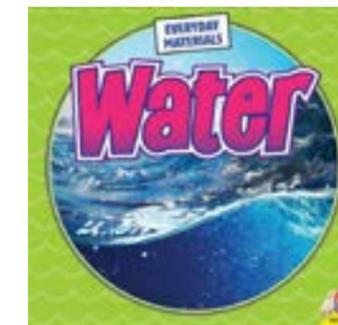
“Hey, Water!”
by Antoinette Portis



“Splish, Splash, Ducky!”
by Lucy Cousins



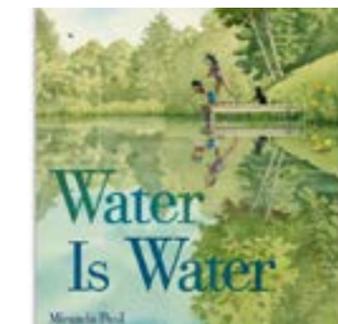
“All the Water in the World” by **George Lyon**



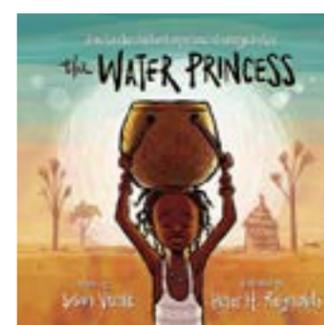
“Water”
by **Harriet Brundle**



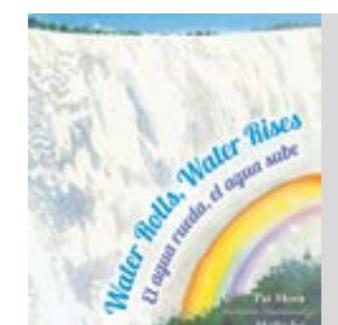
“Watersong”
by **Tim McCanna**



“Water is Water”
by **Miranda Paul**



“The Water Princess”
by **Susan Verde**



“Water Rolls, Water Rises/El agua rueda, el agua sube”
by **Pat Mora**