

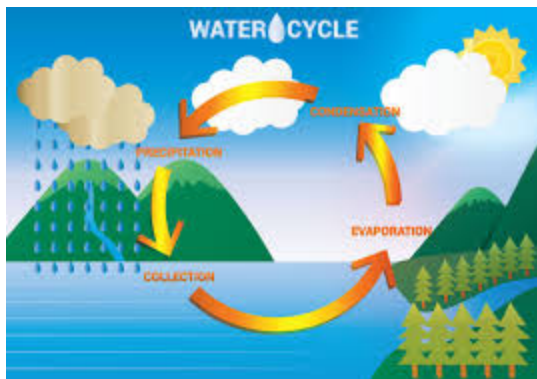
2nd/3rd Grade Summer Enrichment Week 3

Themes: Water, Water, Everywhere!

The Water Cycle!

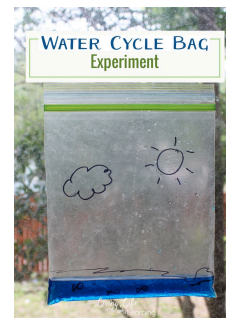
The water cycle is the journey water takes from the sea, to the sky, to the land and back to the sea. The movement of water around our planet is important to life as it supports plants and animals. The water cycle includes four basic parts:

1. **Evaporation** is when water heats up and becomes an invisible gas in the air called Vapor.
2. **Condensation** is when water vapor cools down and turns back into water. It happens high up in the sky and forms clouds, it happens in your house on the outside of a cold drink!
3. **Precipitation** is any form of water that falls from the clouds. This includes snow, sleet, hail and rain.
4. **Collection/Water Storage** is any place where water is stored or gathered. This can be man made or natural!



Tasks:

1. [Create a Water Cycle Experiment](#)
Want to see the water cycle at work? Make your own water cycle bag and observe what you are seeing.
2. Read this [Water Cycle Poem](#) and write your own poem on water. Do you love the ocean? Have you been tubing on the river? Do you like to go fishing? Is your favorite form of water the swimming pool? Whatever you love about water can be turned into a poem! Make it rhyme or don't, it's up to you!
3. For more information on the water cycle check out this [The Water Cycle Video](#) and play this [Water Cycle Game](#)! Need a screen break? Challenge yourself to act out the water cycle and either make a video or perform it for a friend or family member. Bonus if you incorporate props and/or costumes!



We Need Water!

All living things need water to survive. Do you know how much water a child your age should be drinking? Have you ever thought about ways to save water?

Tasks:

1. Read the passage [A Clean Drink of Water, Passage and Questions](#) about water and answer the questions that follow. You can print them or answer them on paper.
2. Check out the website [How Much Water Does a Child Need a Day?](#) See how much water a child your age needs to drink. Ask a parent or caregiver to help you find a measuring cup. Use the recommendation from the website to measure and fill up a water bottle or drinking glass with the number of cups you will need to drink in a day. (If you don't have one big enough, you can refill as you go! Challenge: How many refills will you need?) Use a piece of paper to record how much water you drink for an entire day. Do you drink more or less than the recommendation?
3. Check out the website [It All Starts with You!](#) See if you know all the ways you can save water. Is there anything you can do today to help conserve water? A fun outdoor suggestion- instead of using a hose to wash the car or your bike you can fill a bucket and use a towel or sponge to wash it. Use the hose just to rinse! Want to learn more about saving water? Check out this video- [Save Water to Help the Earth](#)

Water is FUN!

There are so many fun things you can do with water, especially in the summer.

Tasks:

1. Get a bucket and paintbrush and head outside! Ask a parent or friend to give you words to practice spelling using water painting on the pavement. Need some words to write? Check out these [lists](#) for common sight words to practice spelling!



2. Have you ever been on a boat? Have you ever BUILT a boat?! Now is your chance. You can use any materials you have at home, one simple one is tin foil! Ask a friend or family member to build one too if you want! Make sure you each get the same amount of tin foil and use the same item to measure your boat's function! Watch this video for more ideas: [Boat Building Video](#). How many pennies can your boat hold before it sinks? Does a certain shape hold more or less pennies?
3. One of the best things to do with water is BLOW BUBBLES!!! Head outside with a container of water large enough to dip your hands in. Check out this [Bubble activities](#) website for a recipe and more ideas, or just grab soap and experiment. Which soap

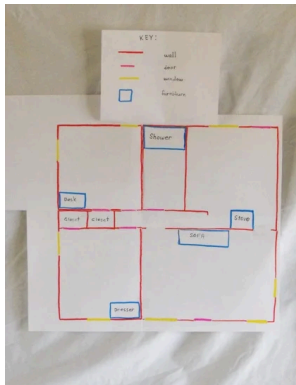
works best? Does blowing hard or soft work best for bubbles? Get creative with your wand, too. What else can you blow through to make bubbles? Can you blow a bubble off your hand and into the air?

Water on the Map!

Most of the world's water is in the ocean, but there are also lakes, rivers, streams, bays and ponds!

Tasks:

1. Do you know where the five oceans are? Check out the [Five oceans song](#) and look up a map of the world (or use this one). Get a piece of paper and practice drawing a simple world map. Don't worry too much about the shape of the continents, nobody's perfect! Label the five oceans correctly. Put a star on an ocean if you have been to it or seen it yourself! For more information check out [Continents and Oceans Video](#) for ideas before you make your own drawing!



2. Have you ever had to use a map? Most kids have not used a paper map, but might have looked at one online or on a cell phone. Check out this [Learn about maps video](#) and get ready to be a map maker! Choose a place you are very familiar with- like your bedroom. Get paper and something to write with. Map out your location and label the major items in it. Look at the picture for an example.

3. Have you ever visited the ocean? Virginia borders the Atlantic Ocean, but many of us and our neighbors have never had the opportunity to visit the beaches there. Even if you have been to the ocean, this [Google Earth exploration of The World's Oceans](#) will guide you to places you may not expect! Use the tabs in the upper right hand menu to visit different ocean areas from around the world. After looking at the pictures from each location, click the 3 dots in the upper right hand corner and click "Restart" to get back to the main menu.

4. Interested in a virtual underwater field trip? The Monterey Bay Aquarium offers several live web cams that exhibit underwater habitats and species. Here are a few to check out (note: cameras are live at different times of day, Pacific time)
 - [Coral Reef Cam](#)
 - [Jelly Cam](#)
 - [Kelp Forest Cam](#)
 - [Monterey Bay Cam](#)
 - [Open Sea Cam](#)
 - [Shark Cam](#)

As you watch, think about where on a map you would find each of these habitats.

Could they be found on all continents? Once you've had a chance to explore the different web cams, become a sea searcher! The aquarium has adapted many of its activities and games to be done at home. Check them out [here](#).

Greater than or less than?

Get a bucket or bin large enough to hold water and objects. Gather small objects from around your house or outside and test if they sink or float!

Tasks:

1. Sort your items after you test if they sink or float. Count them and write a greater than/less than number sentence to describe your information. Do you have more objects that sink or float? Can you sort them other ways and write another number sentence? Use this frame to write your number sentences: _____ > _____. For more information on greater than/less than check out [Greater than and less than video](#) or [Comparing numbers song review](#).
2. Want a challenge? How about comparing numbers up to FOUR digits long? Check out [Comparing 4 digit numbers](#) video. Write some of your own comparing number sentences using the same frame (_____ > _____) but challenge yourself to come up with bigger numbers.
3. While you have your bucket of water and small objects out, let's reuse our resources from this week's fun and do the [Water Slide Challenge](#)! Part of the challenge requires pouring more or less water and observing what happens.

Extra Fun:

- [How Much Water Is In The World? Video- Click "I am a student"](#)
- [Water is Water. Read Aloud](#)
- [No More Water In The Tub. Read Aloud](#)
- [Swimming Lessons. Read Aloud](#)
- [The Perfect Fishing Spot. Read Aloud](#)
- [There's A Map On My Lap. Read Aloud](#)
- [Water Science Experiments for Kids](#)
- [Thirsty for Knowledge](#) water games and resources
- [Water Walking Experiment](#)
- [Nya's Long Walk. read aloud](#)