



THE CHALLENGE:



“Water, water everywhere, but not a drop to drink!” Humans need clean drinking water to survive. The water from our rivers, lakes, streams, and ocean is all around us but it might have a few undesirable items floating in it. Everyone has a right to clean drinking water.

Venture out in nature to collect some water from a local, natural water source. Take note of what your water looks like.

Your challenge is to build a water filtration system to turn dirty or salty water into clean water! Tips can be found [here](#) or [here](#). Be safe and don't taste your water. Make visual observations and compare!

~ STEAM TEAM ~
Create, Test, Improve

Learning Activities

Language Arts/ Social Studies:

Wouldn't it be cool if you were walking along the beach and you came across a question someone left for you?

This week let's leave a message in the form of a question for someone to come across. Build your message out of sticks and rocks. What is something you are wondering? Instead, you could also build your question outside at your house and take a picture to send to a friend. We would love to see your question as well. Share your picture by tagging us on Facebook or Twitter!

Numeracy:

Did you know 97.5% of the world's water is made up of saltwater and only 2.5% is fresh water? We are lucky to live in a country where we turn a tap and clean water flows into our sinks, toilets, and tubs.



Measure the amount of water you use while brushing your teeth if you leave the water running.

THEN.....

Measure the amount of water you use when you shut the water off while brushing your teeth.

How can you find the difference in milliliters when you don't shut the water off versus when you do?



Science:

Oil and water do not mix! Oil spills in our oceans can have a devastating effect on our wildlife. Try this [oil spill containment challenge](#) from our friends at Brilliant Labs!

Scientists and engineers are still working on the answer to this question themselves, so no idea is too big or too small!



The Arts:

While you are at a water source, collect some interesting looking pebbles or sea glass to bring home with you. Glue them onto some cardboard to create images. Try making your family or some of your favorite animals. Looking for inspiration? Check out “Stepping Stones – A Refugee Family's Journey” [here](#).



There is always a story behind the lyrics of a song. Have your parents help you make a 5-song playlist of songs that have the word “water” in the lyrics. Check out our social media page for a performance of our water song playlist.