



## 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:

Do you ever get a feeling when you are near water? Write a Haiku Poem about water. What is a Haiku Poem? It is a traditional form of Japanese poetry consisting of 3 lines. The first and last lines of a Haiku have 5 syllables and the middle line has 7 syllables. Click [here](#) for examples.

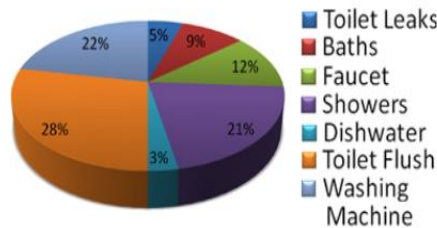
Spring  
Rain, tree buds, tulips.  
All signs of when Spring has sprung.  
Hello sun, bye snow!

### Numeracy:

A family of four, who uses about 150 gallons of water each, for a period of one month, pays \$114.00 per month for their water bill.

How much are they getting charged per gallon?

Look at the pie chart below:

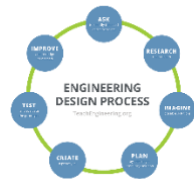


Determine how much they pay for each different type of usage.

### Science:

Boyan Slat began his ocean clean-up dream at the age of 16. By the age of 18 he founded [The Ocean Cleanup](#) and had devised a concept to use the ocean's natural forces to catch ocean plastics. His team is currently working to remove plastic from the Great Pacific Garbage Patch. (Learn more [here](#))

As this plastic is collected, where does it go? What could it be made into? Use the [Design Process](#) to design a product that could have a positive impact on our environment or society.



### 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](#).



## Musical Moments



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.