

TAKE&MAKE

GRADES K-7

**DIY ART PROJECTS
TO GO!**

LESSON OBJECTIVE

To learn about the Water cycles and how you can create a water filter using materials found around the home and outdoors. If you are able to clean the water then you can use the clean water to make two different crafts.

STEP 1 : Learning about Water!

Read about/ watch about the water cycle and how it naturally is filtered through the ground and the rivers. (Check out a book from your local library about water cycles and systems or watch a video on Youtube! Below are some suggestions of books, videos and websites)

Books

- A Drop of Water: A book of Science and Wonder by Walter Wick
- The Magic School Bus at the Waterworks by Joanna Cole
- The Magic School Bus Wet All Over: A Book About the Water Cycle by Patricia Relf
- Easy Science Activity Journals by Mary Kay Carson

Videos

- The Water Cycle by the National Science Foundation
<https://youtu.be/al-do-HGulk>
- The Water Cycle | Education Video for Kids by Happy Learning English
<https://youtu.be/y5gFI3pMvol>

Websites

- DiscoverWater.org
- Infiltration and the water Cycle by the USGS
https://www.usgs.gov/special-topic/water-science-school/science/infiltration-and-water-cycle?qt-science_center_objects=0#qt-science_center_objects

Follow-up Question

Why is it important to keep our ground and streams free of trash and pollution? Does pollution impact the water we drink or will be drinking and the water plants and animals live in?

STEP 2 : Gather Materials

Students will then collect materials needed to make their own water system filter.

- plastic water/soda bottle,
- Vase or tall drinking glass
- Gravel or small stones
- Clean Sand
- Cotton Balls, small cloth or coffee filter
- Gardening dirt
- Water
- Scissors or knife

STEP 3 : Making your Water Filter

Instructions

1. Cut off the bottom of an old plastic soda or juice bottle using scissors or a knife.
2. Place the bottle upside down into the vase or tall drinking glass.
3. Place cotton balls, cloth, or a coffee filter inside the bottle as the first layer. The first layer should be about one to two inches thick.
4. Add about two inches of gravel or small stones as the second layer.
5. Add about three to four inches of clean sand on top of the gravel.
6. Add gravel to the bottle as the final layer. Leave about a half inch of space from the top of the upside down bottle.
7. Add dirt to a glass of water to create muddy water. Alternatively, get creative and add other things like glitter, beads, cooking oil or other materials to make dirty water.
8. Pour the glass of muddy water on top of the homemade water filter and watch the water drip clean into the glass below.

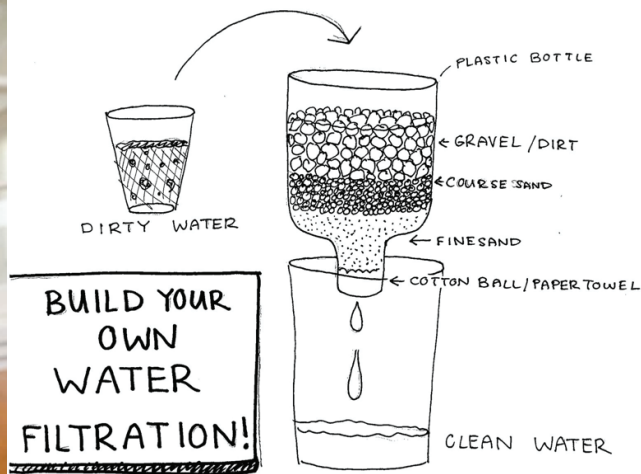
Follow-up Question

If the water wasn't completely cleaned the first time, what would need to change so the water will come out cleaner?

STEP 4 : Apply

Now that there is clean water students can use it to create two different art projects using the clean water!

Water Filter Imagery



Craft Option 1: Coffee Filter Tie-dye

Materials:

- White Circle Coffee Filters
- Washable Felt Markers
- Spray Bottle/ Large paintbrush/ Water dropper
- Water

STEP 1

Decorate a coffee filter with the washable markers. Use nice bright colors and have fun making any pattern you like.

NOTE: Don't worry if the pattern is messy because the water will move the color around the filter when it becomes wet.

STEP 2

Place colored filters on a cooking sheet, wax paper or cardboard to keep color from spreading onto the table.

STEP 3

Spray/ Drop or dip water onto the colored coffee filter and watch the magic happen!

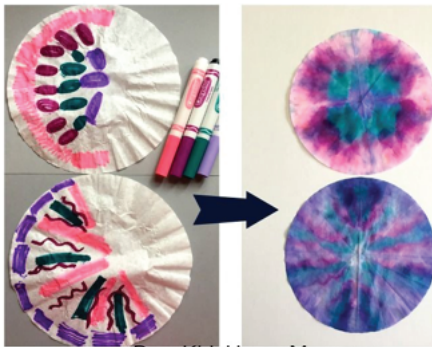
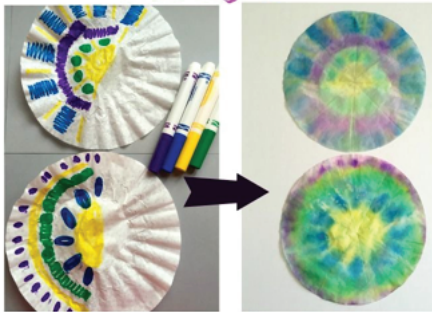
Once filters are covered in water set aside to dry.

STEP 4

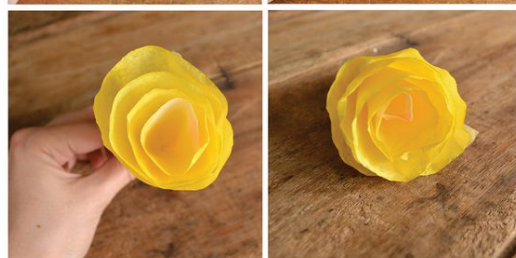
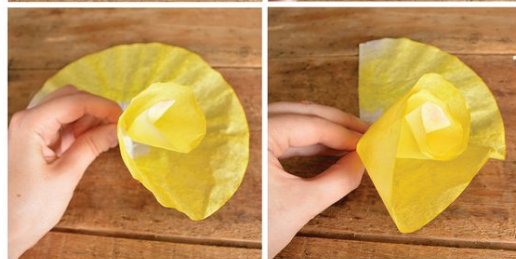
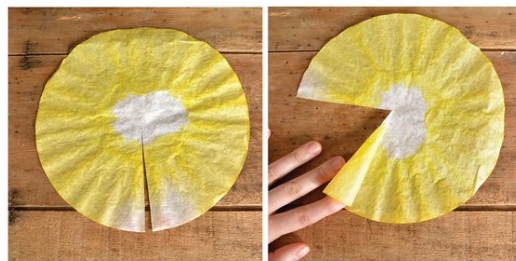
With the colored coffee filter you can cut into a flower, or fold it into a butterfly? Get Creative!

Coffee Filter ART

The Tie Dye Effect



www.BusyKidsHappyMom.org



Craft Option 2: Watercolor Salt Landscapes

Materials:

- cardstock/white paper, watercolor paper if available
- a paint brush
- Watercolors (any type)
- Link on how to make your own watercolors:
<https://www.youtube.com/watch?v=W7jviDFYNdk>
- table salt/kosher salt
- cup of water

STEP 1

Once you have your materials begin by first painting a layer of just water over your paper.

Then come back over the wet paper with a paint brush full of the color you wish you paint your river, lake, ocean scene with.

STEP 2

While the paper is still VERY WET sprinkle salt on the part of the paper you want to be textured with the salt reaction

`(TIP: sprinkle salt into the wet areas you just painted)

STEP 3

Wait for the painting to dry

STEP 4

Go back through the painting and add animals or plants that would live in your water. You can add these details with a pencil, pen or marker.

Note: If you do not own watercolors you can make your own!

1. Put a piece of plastic wrap on a hard surface
2. Color Washable markers on the plastic wrap
3. Dip brush in water, then in the color from the marker
4. Watercolor Paint your picture (add salt as you go for cool results!)

For more ideas you can watch these short videos on YouTube:

- (This video is a short demonstration on how different types of salt will affect the Watercolors) <https://www.youtube.com/watch?v=TmeW2kz5REQ>
- (This video is showing more advanced techniques in making salt watercolors.) <https://youtu.be/4P2yeKmMSWo>



This piece is done by Courtney Dodd, she is an exhibited artist at The Bascom.

She is an artist who uses salt in her artwork too! She has evaporated salt water onto glass to create these amazing patterns! If you would like to see more of her work in person visit her website or visit The Bascom while her work is there!

<http://www.courtneydodd.com/>



Black Evaporation Study, Bullseye Glass, Salt, Frame, 10" tall x 20 3/4" wide x 1 1/2" deep, 2019