

Earth Day STEAM Activities

magazine scraps
EARTH DAY COLLAGE
iheartcraftythings.com



Looking for a great art project to work on as a family? click the link to find instructions on how you can make an Earth Day collage.

<https://iheartcraftythings.com/earth-day-collage.html>

Another great way to celebrate Earth Day is to get outside and garden!



Experiment ~ Can You Undo Water Pollution?

<http://gironlife.blogspot.com/2010/04/experiment-can-you-undo-water-pollution.html>

In this experiment kids can learn just how hard it is to undo water pollution.

Grabbed a bucket of clean water, some household trash, vegetable oil (to stand for toxic oil spills), tongs, and a strainer.

Have add trash to the water.

After your water is yucky enough, try to remove all of the pollution using tongs and a strainer.

After trying to remove all of the pollutants, what are you left with?

What was the conclusion to your experiment? You could write about your experiment or film a short video explaining what you found. I would love to hear all about it!



Water Cycle in a Bag

<https://www.playdoughtoplato.com/water-cycle-bag/>



Getting Ready

Grabbed a Ziploc sandwich bag from our pantry and used a black Sharpie to draw a sun, cloud and water. Then fill a small measuring cup with 1/4 cup of water and grab blue food coloring (if you have it on hand).

Water Cycle in a Bag

Carefully unscrewed the lid to the food coloring and squeezed four big drops into the water. Then slowly poured the now blue water into the Ziplock bag. Make sure you close the Ziplock bag tight. Used tape to hang the bag on the window and sit back and watched it work.

The Science Behind It

Since the Earth has a limited amount of water, it has to change around and around in something called the water cycle.

Over the next few days, you should see the water warm in the sunlight and **evaporate** into vapor.

As that vapor cools, it should changing back into liquid **{condensed}** just like a cloud.

And when enough water condenses, the air can't hold it anymore and the water should fall down in the form of **precipitation**.

In the real water cycle, rain, sleet or snow might land in a body of water like a river or ocean. But it also might fall on dirt where it soaks into the soil and either becomes ground water that animals and plants drink or it runs over the soil and falls into rivers, oceans or lakes {aka **collection**}.

Naturally dyed Dandelion Playdough

https://parentingchaos.com/diy-dandelion-playdough/?utm_medium=social&utm_source=pinterest&utm_campaign=tailwind_tribes&utm_content=tribes&utm_term=351733714_11082006_364667

Items Needed for DIY Dandelion Play Dough

- A Big Handful of Dandelions
- 1 cup of boiling water
- 2 cups of flour
- 1/3 cup of salt
- 2 T. baby oil (or vegetable oil)
- 1-2 T. cream of tartar (this is the best deal I have ever seen on cream of tartar)

Optional: A blender to help you blend the water with the dandelions to create a vibrant yellow.

How to Naturally Dye Play Dough Using Dandelions

1. Bring one cup of water to a boil and remove from heat.
2. In a blender, mix the hot water and dandelions.
3. Once the dandelions are pretty much completely destroyed in the water, transfer the water to a bowl and add in oil, salt, and cream of tartar. Give it a good stir to dissolve the salt.
4. Add in 2 cups of flour to the mixture and stir really good until it is fully mixed.
5. Then dig your hands in and mix some more. If it is sticky at this point you might need to sprinkle in some more flour and knead until it no longer sticks. The amount of flour that you may need to mix in will vary based on how much water the dandelions were holding.