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Activity Idea

HATCHING A DINOSAUR EGG EXPERIMENT

Recommended for Ages 5+

Make your own dinosaur egg and watch it hatch
This STEM related activity will demonstrate the reaction vinegar has on baking soda while hatching dinosaur eggs. When acid (vinegar) and the base (baking soda) mix, a chemical reaction takes place. The vinegar and baking soda form a new substance, a gas called carbon dioxide. All three states of matter are present: liquid (vinegar) solid (baking soda), and gas (carbon dioxide).

You will need the following materials:

- Baking soda
- Vinegar or lemon juice
- Water
- Food Coloring
- Small plastic dinosaurs or other plastic animals that hatch
- Plastic wrap
- Squirt bottle or eyedropper
- Mixing bowls

Instructions:
Gather all the supplies and add baking soda to a mixing bowl. Exact measurements will vary. Add a small amount of water to the baking soda until the mixture becomes crumbly and packable. It should not be runny or soupy.

After creating the water and baking soda mixture, divide the contents into different bowls to create multiple colors. Add a different food coloring to each bowl. Now that there are multiple colors, you are ready to form your eggs.

Pack the mixture around your plastic dinosaur to form an egg. You can mix as many colors as you like. After you have formed colorful eggs, use plastic wrap to help keep the shape.

Now place the colorful dinosaur eggs in the freezer for as long as you like. The more frozen the eggs are, the longer they will take to melt.

Once frozen, place the dinosaur eggs on a dish. Squirt the eggs with vinegar or lemon, watch them fizz and hatch!

Photo courtesy of https://littlebinsforlittlehands.com/dinosaur-egg-hatching/