

The Amazing Fizzy Dino Egg Reaction

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A dinosaur activity perfect for young palaeontologists! These colourful dinosaur eggs and the crackling sound they make when the dinosaurs hatch are completely irresistible to children.

- Age: 3-5
- Time: 30 minutes + overnight drying
- Mess Level: Messy

Materials Needed:

Food colouring
Baking soda
Spoon
Vinegar
Dinosaur toys
Water
Bowl
Tray
Disposable gloves



Step-by-Step Instructions:

1. Make the shell. Pour baking soda into a bowl. Add a few drops of food colouring to a cup of water. Using a spoon, gradually add water to the baking soda, stirring until the baking soda forms a clumpy consistency.



2. Make the dinosaur eggs. Put on gloves, take some baking soda in your hand, place the dinosaur toy on top, then cover the dinosaur with more baking soda, shaping it into an egg form.



3. Let the dinosaur eggs dry. Place them on a tray to air dry for a few hours or overnight.



4. Start "hatching" the dinosaur eggs. Use a cup to pour vinegar over the dinosaur egg, or you can use a dropper to dissolve the egg bit by bit. Can you hear the fizzing sound? Observe the reaction between the vinegar and baking soda.



5. You can also decide what to put inside the egg based on your child's interests.



The Science Behind It:

This is one of the classic acid-base chemical reactions. When baking soda (also known as sodium bicarbonate) and vinegar (also known as acetic acid) come into contact, a chemical reaction occurs, producing carbon dioxide.

When you pour vinegar onto the egg made of baking soda, the acetic acid reacts with the sodium bicarbonate, dissolving the egg. The fizzing sound you hear and all the bubbles you see in the vinegar are the carbon dioxide produced by this chemical reaction.