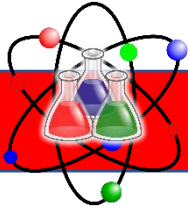


WHITEHALL JUNIOR WHIZ KIDS



Celebrating smart, science-loving students!

Autumn 2025-26



Science is organised knowledge!
Continue the magic at home.

BAKING SODA & VINEGAR VOLCANO

Materials Needed:

- Baking soda (about 2-3 tablespoons)
- White vinegar (about 1/2 cup)
- Red (or any) food colouring
- A container (small plastic bottle, jar or cup) and a spoon
- Dish soap



Instructions:

1. **Prepare your volcano:** place your container (bottle, jar, or cup) on a tray or baking pan to catch the overflow.
2. **Add the lava ingredients:** put 2/3 tablespoons of baking soda into the container.
3. **Add colour and foam (optional):** add a few drops of red food colouring and a squirt of dish soap into the container.
4. **Get ready for the eruption:** slowly pour in about 1/2 cup of vinegar into the container.
5. **Stand back and enjoy!** The mixture will fizz and foam up and out of the container like an erupting volcano!

What is Happening?

The bubbling eruption is the result of a **chemical reaction** between **baking soda (sodium bicarbonate)** and **vinegar (acetic acid)**. When these two mix: they create **carbonic acid**, which is unstable. This quickly breaks down into **carbon dioxide gas (CO₂)** and **water**. The gas forms lots of bubbles, which push the liquid out of the container, mimicking a volcanic eruption. The dish soap traps the gas in bubbles, making the eruption foamier and more dramatic!

SAFETY PRECAUTIONS:



ASK FOR ASSISTANCE



KEEP AREA CLEAN



DRESS PROPERLY



DO NOT EAT



WASH HANDS

Don't forget to share any pictures or videos of your experiments on Google Classroom that can be shared in school!



Ostriches have larger eyes than their brains!

Can you find out how much larger?

Lightening is considerably hotter than the sun!

How much hotter?

Some animals glow in the dark!

What animals are these?