

Scientific Snowman

With British weather being what it is it's not always possible to make a traditional snowman which is why I think you're going to love the Scientific Snowman experiment!

What do I need:

- Baking powder
- White vinegar
- Plastic cups
- Bowl
- Plate
- Scissors
- Orange paper
- Plastic eyes (optional)

How do I do it?

STEP 1 - Add one plastic cup of baking powder to your bowl for each Scientific Snowman you want to make.

STEP 2 - Add just enough water to your baking powder so that it holds together when you mix it.

STEP 3 - Fill one plastic cup per snowman with your wet baking powder and place in the freezer for several hours.

STEP 4 - Once your snowmen are completely frozen take them out of the freezer and submerge them in warm water to make removing your snowmen from their cups easier.

STEP 5 - Decorate your snowmen with your plastic eyes and an orange carrot nose!

STEP 6 - Stand your Scientific Snowmen on your plate and start your reaction by adding your white vinegar.

What's going on?

Did you notice that your Scientific Snowmen started to bubble as soon as you added your white vinegar?

Those bubbles were full of carbon dioxide and that lets us know that there was a chemical reaction happening. White vinegar is an acid and baking powder is an alkali. When we mix the two together we get a chemical reaction that gives off carbon dioxide!

More Fun Please - Experiment like a real scientist!

- What's the perfect mixture to make the perfect Scientific Snowmen?
- What other (safe!) types of acid could you try adding to your snowman?
- What happens if you just add warm water?

