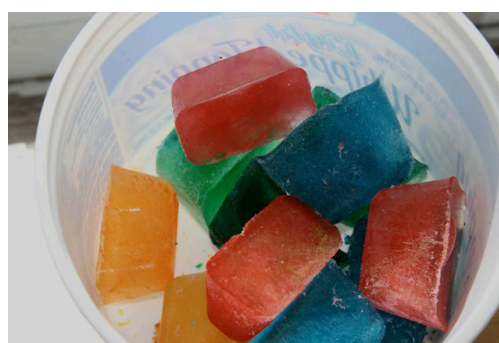


PAINTING WITH ICE

Ice is fun to play with, so why not make some ice paints and paint a picture?

YOU WILL NEED

- Plastic cups
- Variety of coloured poster paints
- Water
- Rectangular pan
- Kitchen paper towel
- A4 paper



WHAT YOU DO

Step 1

Put a blob of coloured paint in a plastic cup and mix in some water until the cup is about a quarter full.

Step 2

Leave in the freezer for a few hours until the paints have frozen solid.

Step 3

Remove the ice paints from the plastic cups by either running warm water over the outside of the cup or cutting the cup with a pair of scissors.



Step 4

Place the ice paints on a plate and place some kitchen paper towel in the rectangular pan, placing the A4 paper on top.

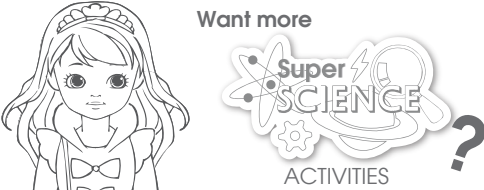
Step 5

Have fun painting a picture with your ice paints!

THE SCIENCE BEHIND IT

Water can be a gas, a liquid or a solid. When water is hot, it evaporates and becomes a gas called water vapour. When it is room temperature, it is a liquid, but when water gets really cold, it freezes to become solid ice. This is because water is made up of lots and lots of water molecules. When the molecules are hot, they have lots of energy and so they can fly off and become a gas, but when the molecules are cold, they don't have much energy so they all huddle together and freeze to become ice. But when the water molecules are room temperature they only move around a little bit and so exist as liquid water. When you hold your ice paints in your hand, the ice paints take heat from your hand and so the molecules have enough energy to move around again, so the ice paints start to melt and you can use them to paint your own ice paint pictures!

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