

# Frozen Hearts

## Valentine Science Experiment



### You will need:

Baking soda

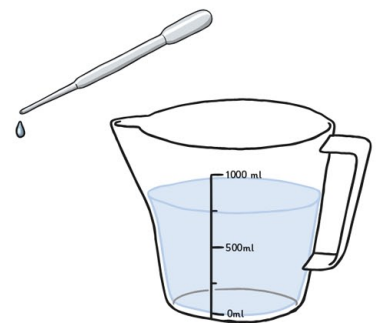
Vinegar

Water

Heart-shaped freezer moulds

Red food colouring

Pipettes



### The Activity

1. Make up a solution of water and vinegar using the same quantities of both.
2. Add the red food colouring and mix to ensure the colour goes throughout the whole mixture.
3. Pour the liquid into the heart-shaped moulds and freeze.
4. When the heart shapes are ready, prepare your baking soda solution by adding 1 teaspoon of baking soda to 1 cup of water. Stir the mixture to dissolve the baking soda.
5. Set out the experiment with the baking soda solution in one bowl and the frozen hearts in another.
6. Invite the children to see what happens when the liquid meets the frozen hearts.
7. The children may put the hearts directly into the liquid solution or if you have pipettes then they could add the liquid to the hearts a bit at a time and observe what happens.
8. Talk to the children about what they can see is happening to the frozen hearts.
9. Add more baking soda to the liquid and observe what happens as it touches the frozen hearts.