

Sugar Crystal Sparklers

Science Experiment



Method

1. Before the activity, pour a cup of very hot water (just-boiled water works best so an adult should do this step) into the jug.
2. Add sugar to the mixture a spoonful at a time and stir the mixture until all the sugar dissolves. Keep adding the sugar until the water is saturated and no more sugar will dissolve in the water. As the water is still very hot, this step is best to do before children participate in the experiment.
3. Carefully pour the mixture into the clean jar.
4. Add a few drops of food colouring to the mixture and stir.
5. Dip the skewer into the warm mixture and then sprinkle some extra sugar onto the wet end of the skewer and leave it to dry.
6. Once the mixture in the jar has cooled, attach a clothes peg to the clean end of the skewer and balance it on the jar, so that the sugary end of the skewer is in the sugary mixture.
7. Leave the jar in a warm place for a few days and watch as sugar crystals develop on the end of the skewer, making a sugar crystal sparkler!

You will need:

Very hot water

Jug

Spoon

Wooden skewer (blunt if possible)

Sugar

Food colouring

Jar

Clothes peg

