

SUGAR CRYSTALS

EXPERIMENT

Using sugar and water we can make crystals! This experiment uses boiling water and a stove so ask for an adult's help.

What you need:

- 1 cup water
- 3 cups of sugar plus extra 1/2 cup
- Jars or cups
- Skewers
- Clothes pegs
- Food dye

What to do:

1. Measure out 1 cup of water and bring to the boil on the stove in a saucepan.
2. Slowly add the sugar to the boiling water, about 1/2 cup at a time and mix well. Don't add the next lot of sugar until it has dissolved into the water. Keep stirring! Be very careful around a hot stove and boiling water! Ask for an adult's help.



3. When all the sugar has been added and dissolved into the water, turn the stove off. Now leave the sugar water to cool down. Mine took about 3 hours.

4. Dip the skewers into the sugar water so a few centimeters of the skewer is wet. Then dip the skewers into the extra sugar. I used a spoon to pour the sugar onto the skewers to make sure the wet part was covered well.



5. For the crystals to grow well, the skewers need to stand up in the jar without touching the sides or the bottom. This is what the clothes peg is for. Clip it to the skewers above the top of the jar like in the picture so the skewers stand upright, like it is floating in the jar. The peg should rest on top of the jar .



6. When the sugar water has cooled down (around 3 hours) carefully pour into the jar. If you want your crystals to be colourful add a few drops of food dye into the liquid in the jar and mix well. Make sure the skewers are standing upright not touching the sides of the jar.



7. Now wait and watch the crystals grow on the skewers! You need to be patient, this takes about a week. Check everyday to see how much the crystal has grown. Don't forget to show us your experiments on the [Kids Club Online Gallery](#).

Day 1.



Day 8. Sugar crystals have grown around the original sugar on the skewers.

