

## Teacher Information Sheet: Make Rock Candy

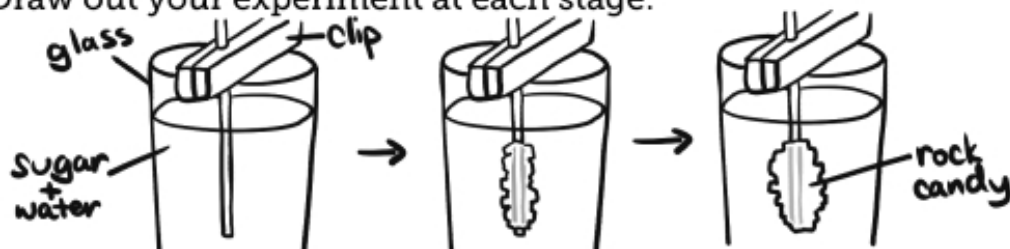
### Materials needed:

- A wooden skewer or wooden chopstick
- A clothespin
- 1 cup of water
- 2 cups of sugar
- A tall narrow glass or jar

### Method:

1. Clip the wooden skewer into the clothespin so that it hangs down the glass. Set aside for later.
2. Pour the water in a pan and bring it to a boil.
3. Add the sugar in little by little, until it won't dissolve anymore
4. Get an adult to pour the sugar solution into the glass. Submerge the skewer back into the glass make sure it doesn't touch the sides of the glass.
5. The sugar crystals will grow in the next 3-7 days.

Draw out your experiment at each stage:



### Questions to answer:

How much sugar dissolved into the water?  
How much sugar dissolves in the same amount of cold water?

Are there sugar crystals growing on anywhere else other than the skewer?

You can try this experiment again with different flavourings and food colourings. What flavours and colours do you want to try?

### Learning outcomes/real world applications

When you mixed the water and sugar you made a SUPER SATURATED SOLUTION.

As the water cools the sugar "comes out" of the solution back into sugar crystals on your skewer. The skewer (and sometimes the glass itself) act as a "seed" that the sugar crystals start to grow on.