SCIENCE MUSEUM GROUP





BUBBLE FUN

 MAKING
 Age
 5-7
 Topic
 MATTER
 TOPIC

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 Skills used
 MAKING OBSERVATIONS • CURIOSITY
 TOPIC

Overview for adults

This activity uses the Science Museum's special bubble recipe and ideas about how to create brilliant bubble blowers. There's also lots to find out about the science of mixtures and materials, and the properties of water.^{*}



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Find out about the Science Museum's special bubble mixture recipe, make some amazing bubble blowers... and create some really big bubbles!



Top tip: Glycerine makes the bubbles last longer so you can make big ones. If you can't get hold of glycerine you can use sugar instead, but your bubbles will be a bit stickier!

Think and talk about... 🗩

- Investigate... 🔎
- How many different things do you notice about the bubbles?
- Why do you think the bubbles are round?
- What makes them burst?



- Can you invent a new type of bubble blower?
- Which bubble blower makes the best bubble? What makes it so good?

Follow these steps...



1 Add the glycerine and the washing-up liquid to the warm water and stir the mixture slowly for a minute or two – this is to help the glycerine dissolve.



2 Make a large bubble blower by stretching out a metal coat hanger and wrapping it all the way round with string. Tape the hook to make a handle.



3 Dip the wand in the bubble mix and blow a bubble!



4 Thread a loop of string through a straw to make a smaller bubble wand.



5 Cut the bottom off a paper cup to make a bubble trumpet.



6 Cut the bottom off a plastic bottle and stretch a sock over the end, securing with an elastic band. Blow though to make a bubble snake!

Science in your world

Fats from food cling to dishes but don't dissolve in water. Washingup liquid holds onto fats and does dissolve in water – that's why it helps get dirty dishes squeaky clean.

