



HOW TO MAKE GLOOP

Anisha's school is hosting the National Schools Science Fair and whoever has the **best experiment** wins an **amazing prize**. Actually, not just amazing, it's an intergalactic prize – a trip to a national space centre! And the winner gets to meet a **REAL-LIFE ASTRONAUT!** How cool is that?

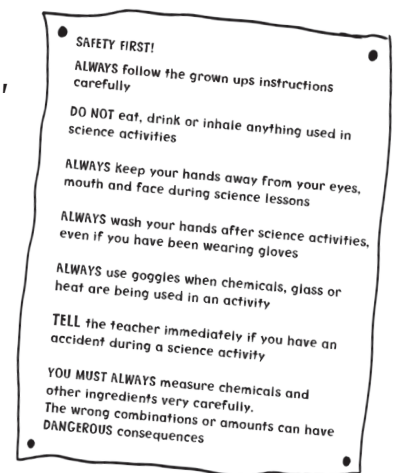
Here's an idea for an experiment you could make at home, but first grab an apron as this can get messy!

You will need:

- Cornflour
- Water
- Food dye
- A big bowl
- A cup
- An apron to wear, as this can get messy!

Instructions:

1. To make gloop, put two cups of cornflour into a big bowl. Add a cup of water and two drops of food dye.
2. Mix the cornflour, dye and water with your hands. It will take a few minutes to blend them all together.
3. Roll some of the mixture between your hands. What happens when you stop rolling?
4. Punch the mixture. How does it feel? Hold it up and let it dribble through your fingers. How does it feel now?



What's going on?

Cornflour is made of lots of long, stringy particles. They don't dissolve in water, but they do spread themselves out. This allows the gloop to act both like a solid and a liquid. When you roll the mixture in your hands or apply pressure to it, the particles join together and the mixture feels solid. But if it is left to rest or is held up and allowed to dribble, the particles slide over to each other and it feels like liquid.

