

Fun with Science



Make a Bouncy Ball



Things you will need:

- 1tbsp PVA glue
- Food colouring
- $\frac{1}{2}$ tsp borax powder
- 3tbsp corn flour
- 4tbsp warm water
- 2 paper cups

Instructions:

In one cup put your warm water, corn flour and borax powder. In the other cup put your glue and food colouring and stir well (perhaps with a lolly stick). Then pour your water/flour mixture in with the glue. Stir well and you will notice it comes together in one big blob. Take the blob out and roll it into a ball with your hands. Soon it will become less sticky and start to form a rubber ball.

The science behind it:

When the glue is added to the flour, water and borax mixture the glue becomes firm and bouncy. This is because of a reaction between the borax and the glue which causes the molecules in the glue to stick together and form something called elastomer.