

# Gloop!



# Gloop!

Gloop is simple to make and fantastic messy play fun. The feeling and sensation is like nothing else, hard and resistant when pressed, but fluid and runny when not!

It can get messy though, so either do it outside when the weather allows and / or make sure that clothes and surfaces are adequately protected.

## What you need:

**450g cornflour**

**475ml water**

**Mixing bowl**

**Food colouring for coloured gloop**



# Gloop!



## Instructions:

1. Add the cornflour to the mixing bowl - use a spoon to avoid a dust cloud!
2. Add the water a little at a time mixing with your hands until you get the right consistency – ideally like soft, silky honey
3. Add a few drops of colour if you want it coloured
4. Play with the mixture
  - Put your hand in completely and try to move it around quickly. The more you try the harder it gets.
  - Roll it in a ball between your hands – when you stop the movement it will run through your fingers
  - Slap or punch it – it won't splash but harden around the impact

# Here comes the science bit...

Gloop is called a '**non-Newtonian**' fluid because it doesn't behave the way normal fluids do.

Gloop feels hard when it's pressed but fluid when it's not, because of the long stringy polymers that cornflour is made up of. When touched slowly, the polymers slide past each other easily, but if pressure is applied, or if the mixture is moved too quickly, the polymers join together and it feels solid.

Activities such as these are great fun, but also really help pre-school children with preparation for writing. The resistance is great for strengthening the muscles in their hands and helps improve their fine motor skills.

# Busy Bees Pre-school

Busy Bees Pre-school, based in a rural setting in Bishops Sutton, provides high quality, government funded learning through play for children aged 2 years up to school age.

Rated 'good' in a recent Ofsted inspection, it offers a safe, stimulating, learning environment with a wide range of activities, both indoors and out, in line with the Early Years Foundation Stage.

For more information about Busy Bees Pre-school, visit [www.busybeesbishopssutton.co.uk](http://www.busybeesbishopssutton.co.uk) or contact Debbie Markwick on 07815 166687 or on [busybeespreschoolteam@hotmail.com](mailto:busybeespreschoolteam@hotmail.com).

