

Super Sand



The following science-based activity is designed to be adult guided

You will need:

- A mixing bowl
- ¼ cup of cornflour
- 1 cup of water

FUN FACT!

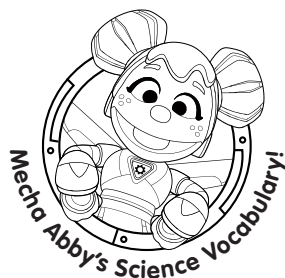
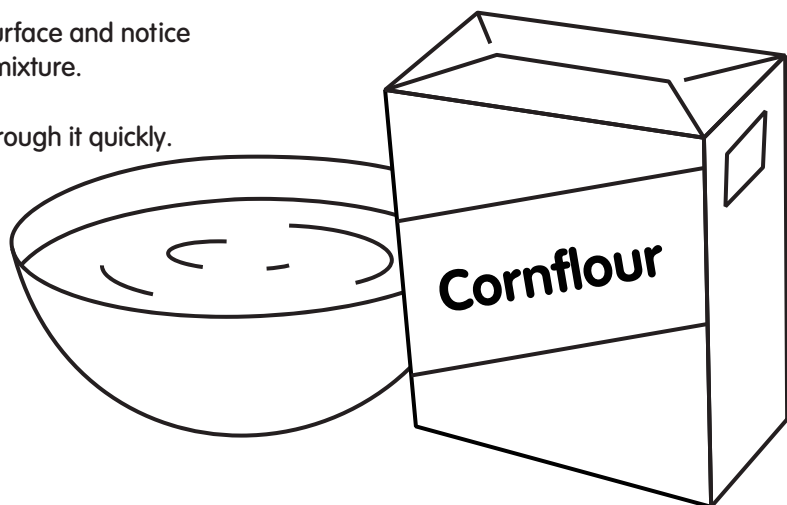
Quicksand is a very special type of sand found near some beaches, lakes, or rivers. It is made of sand mixed with water. The **velocity** of quicksand depends on how much **pressure** or weight you put on it. If you were to fall into quicksand it would be very hard to get out. Why? Quicksand acts like a liquid when you move around in it slowly and like a solid when you move around in it quickly. AMAZING!!

Let's Investigate!

1. Pour the cornflour and water into the bowl and mix with your hands until it feels as thick as honey and looks like heavy cream.
2. Gently lay your hand on the surface and notice how your hand sinks into the mixture.
3. Now try to move your hand through it quickly.

Observe & Discuss!

Which felt harder, moving more quickly or slowly?
How difficult were your hands to move?
This is how real quicksand works.



Viscosity

The state of being thick, sticky, and like a fluid.

Pressure

Continuous force on or against something.

Early Learning Goals:

Communication and language, Physical Development, Personal, Social and Emotional Development, Understanding of the World, Maths.

Year 1 (National Curriculum) - working scientifically.