**Making a Non-Newtonian Fluid – Is it solid or liquid?**

Also called ‘oobleck’ after a Dr Seuss book, this mixture of cornstarch and water is very unusual because it behaves like a solid and a liquid. Have a look at this video for some more information: <https://www.youtube.com/watch?v=biAOOJgvRYI>

It is **easy** to make and **fun** to play with! ☺

**Basic ratio**

**2 parts cornstarch to 1 Part water**

**Ingredients**

* 2 Cups Cornstarch
* 1 Cup Water
* Food colouring (optional)

**Instructions**

* **Step One:** Pour 2 cups cornstarch into a bowl
* **Step Two:** Add 1 cup of water and stir to combine
* **Step Three:** If adding food colouring to your oobleck do it at the mixing stage



**Time to play!**

Take a handful of the mixture. When you squeeze your oobleck it will behave like a solid and you can shape it into a ball.



When you release it, the mixture will run through your fingers like a liquid.



* What happens when you pour it?
* What happens when you jab it with you finger?
* Can you make your oobleck dance? (have a look at the video below)

<https://www.youtube.com/watch?v=SYMvOxIsES4>

**Take some photos if you can, we would love to see your investigations!**