Halloween Oobleck for a Frightfully Fun Time!

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Are you ready to explore a magical substance? Oobleck looks like a liquid but can instantly turn into a hard solid with just a touch! Imagine stepping on it and not sinking in - how is this possible? In this experiment, you'll create this "mysterious substance" with your own hands and uncover the scientific secrets behind it.

- Age: 3-5
- Time: Less than 30 minutes
- Mess Level: Messy

Materials Needed:

2 cups cornflour 1 cup water Food colouring Plastic spiders Bowl spoon



Step-by-Step Instructions:





when you squeeze it, your experiment is successful. If your Oobleck doesn't achieve this state, you'll need to add water or cornflour as necessary until it reaches this condition.

3. Take a small handful of Oobleck and place it in your palm. If it flows like a liquid, but hardens like a solid







The Science Behind It:

eyeballs to the Oobleck.

Oobleck is a substance made from a mixture of cornflour and water. It exhibits properties of both liquids and

solids, which is characteristic of non-Newtonian fluids. Unlike Newtonian fluids (such as water or oil), Oobleck's viscosity is not constant but changes with the amount of force applied. When a slow and gentle force is applied, it behaves like a liquid and flows easily. However, when a quick and strong force is applied, it behaves like a solid and becomes hard.