Art Experiment: Oobleck and Sol LeWitt

This short art experiment is for your children to start understanding the basics of STEAM (science, technology, engineering, art and maths), whilst being introduced to key artists and concepts from art history.

Please send students' final product to **ppe@casulapowerhouse.com** or tag #CPACCREATIVES on social media.

Image by Hanne Davis, Art Activities, 2020.

Oobleck is a non-Newtonian fluid. This means that the viscosity changes depending on the pressure. Most liquids have consistent vicosity, meaning they flow at the same rate no matter how hard you press on them. These liquids include honey, water etc. Oobleck does not have consistent viscosity. If you apply pressure to it, it forms a solid, loosen the pressure and it will go back into a liquid. This is because the viscosity changes, making it a non-Newtonian fluid. In chemistry oobleck is known as a colloid, this means that the two particles are not chemically bonded.

Materials
- 2 cups of cornstrach
- 1 cup of water
- Food colouring

Instructions
Step 1: Pour 2 cups of cornstrach into a bowl
Step 2: Add 1 cup of water
Step 3: Add food colouring to your oobleck
Step 4: Stir and combine

Questions and Activities:
- Can you write a definition of Viscosity?
- Can you think of any other examples of non-Newtonian fluid?
- What are some examples of other colloids?
- Make an Oobleck artwork.

Sol LeWitt, Splotch 15, New York City 2005

Sol LeWitt, Wall Drawing-1136, United Kingdom, 2004

Sol LeWitt is an American artist born on the 9th September 1928. He is one of the most influential artists of his generation, a pioneer of conceptual art. LeWitt stressed the idea of his work over the execution. He is very well known for his Wall Drawings, an array of designs, shapes, grids and colours rendered in pencil and paint with strict instructions and diagrams of how to make his work. He refers to his artworks and sculptures as 'structures' and they are variations on geometric shapes. LeWitt is instrumental as he forged a new way of making and viewing art.

Questions and Activities:
- What are his artworks made from?
- Write your own instructions on how to create a Wall Drawing.
- What do you feel when you look at LeWitt's artworks?
- Create your own LeWitt structure.