

Title: Lava Lamp Experiment

Age Group: School Age

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Type of Activity: Science

Materials:

- One clean plastic bottle, one measuring cup and one funnel
- Water
- Vegetable oil (you can also use mineral or baby oil instead)
- Fizzy tablets (Alka Seltzer tablets)
- Food colouring
- Flashlight

How to Do it:

- Have the children fill the bottle up about one quarter of the way with water.
- Pour in the vegetable oil with the measuring cup and funnel until it is almost full. Wait a few minutes for oil and water to separate.
- Have the children add a few drops of their favorite food color in the bottle and watch as the color sinks through the oil.
- Ask the children to break the fizzy tablets in half, then drop a half into the bottle. Get ready... here come the bubbly blobs! C
- Get a flashlight, turn off the lights, and drop in another half tablet. Shine the flashlight through the lava lamp while the blobs are bubbling!

Root Skill / Extension:

This science experiment will develop children's problem-solving skills and help them practice science principles like measuring capacity and observing reactions.

Extend the learning: Ask some open questions: "What will it happen if you put the cap on after dropping the fizzy tablet in?" "What will it happen if you drop a whole tablet in?" "If we sprinkle some salt into the lava lamp, what will happen?"