

Discovering SCIENCE

Science experiences support children's thinking and curiosity. Children can predict and question, notice, wonder, and explore ideas to make sense of their world.

EXPERIENCE

Lava bottles

Use 50% water and 50% oil to fill your bottle. Add food colouring of your choice. Ask your child "What can you see happening?" The oil sinks to the bottom and the water sits on the top. Close tightly with the lid and shake the bottle to mix the ingredients. You can add glitter or beads to the bottle too.

Age Group

**1-5
YEARS**

LEARNING

How is this supporting my child's learning?

This is a calming quiet experience for younger children focusing on the movement of water particles or objects in the bottle. For older children they will observe and comment that the water and oil won't mix. They can test the properties by shaking the bottle. You could choose to explain to your child that oil and water are made up of different properties which won't mix together. Feeling water and comparing the feeling of oil can support this concept.

RESOURCES

What do I need?

Small clear drink bottle, food colouring, oil and water. A funnel can be useful for pouring into the bottle