TASKPROMISE · AGES 6–10 · DIGITAL HOME LAB

Little Scientist & Everyday Explorer

21 screen-free kitchen and home experiments using everyday Indian household items—with simple parent explanations and zero extra kits.



21 Missions
10–15 mins each

Kitchen Items
Haldi, lemon, salt, paper

Parent Whisper
Clear science in plain words

DAY 01 · WEEK 1 · KITCHEN CHEMISTRY

Turmeric Colour Detective

10 mins



Kitchen Checklist

- 1/2 tsp haldi (turmeric) in half a glass of warm water
- 1 tsp detergent or soap water in a small cup
- Juice of half a lemon in another cup
- 2 spoons

Try It Together

1. Stir haldi into warm water until it turns bright yellow.
2. Add a few drops of soap water and stir. Watch the colour shift!
3. Now squeeze lemon juice into the red-brown liquid and stir again.

What Did You Notice? (Draw or Write)

Parent Whisper: Why It Happens

Haldi is a natural indicator. Soap is basic, so it turns haldi deep brick-red. Lemon juice is acidic, which brings the bright yellow colour right back!

DAY 08 · WEEK 2 · WATER & FORCES

The Floating Egg Mystery

10 mins



Kitchen Checklist

- 2 tall clear glasses of water
- 2 raw eggs
- 4–5 tbsp table salt
- 1 spoon

Try It Together

1. Place one egg gently into Glass 1 (plain tap water). Does it sink or float?
2. Stir 4–5 tablespoons of salt into Glass 2 until dissolved.
3. Lower the second egg into Glass 2 and compare both glasses.

What Did You Notice? (Draw or Write)

Parent Whisper: Why It Happens

Plain water is less dense than an egg, so the egg sinks. Adding salt makes the water heavier and denser than the egg, pushing it up to float!