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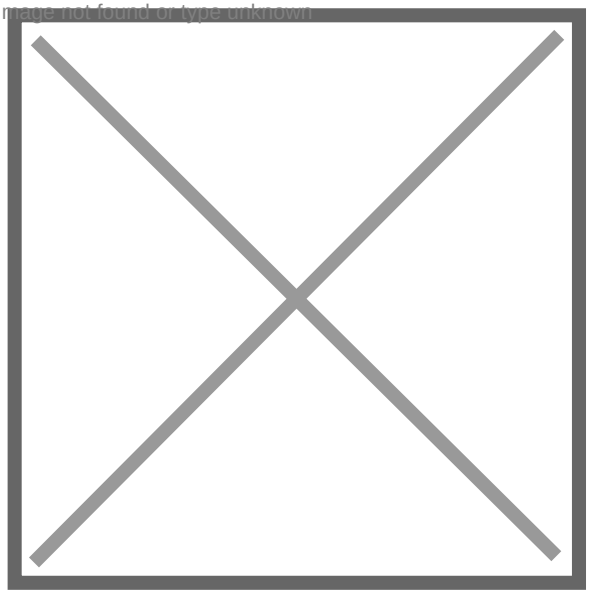
**Product Name :**

Mini Science Kit – Characteristics of Materials

**Product Code :**

SLE/CH/156

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# Description :

**Mini Science Kit – Characteristics of Materials** (Product Code: SLE/CH/156) helps pupils discover why everyday things are made from the materials they are. Through its activities children examine what their clothes are made of, test how high a ball bounces, compare hard-wearing materials and the strongest fabric, measure how absorbent different papers are and learn which materials are flammable. Produced by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, it is a hands-on science kit for primary school and middle-school lessons on materials and their properties.

## Key Details

| Parameter | Detail |
|---|---|
| Type | Mini science kit (topic kit) |
| Topic | Characteristics of materials |
| Properties explored | Composition of clothing, bounce, wear resistance, fabric strength, absorbency, flammability |
| Activities | Seven activities, listed below |
| Purpose | Comparing materials through simple, repeatable tests |

**Activities performed with this kit:**

- What are our clothes made of?
- What affects how high a ball bounces?
- Characteristics
- Hard wearing materials
- Strongest fabric
- Absorbency of different papers
- Flammable materials

## Typical Use

Each activity asks pupils to compare several materials under the same conditions, so the kit is a natural way to teach fair testing. Children might sort clothing samples by what they are made of, drop a ball from a fixed height onto different surfaces and record the rebound, rub materials to see which wear first, load strips of fabric to find the strongest, and time how quickly different papers soak up water. Recording results in a table and ranking the materials helps pupils link each property to a real use – why a raincoat, a towel or a pair of jeans is made the way it is.

The flammable-materials activity should be carried out by the teacher as a demonstration, with a heat-proof surface, water nearby and pupils at a safe distance. For the other tests, use the same sample size each time and repeat measurements to spot odd results. As a compact science experiment kit, it slots into a materials unit over several lessons without needing a full laboratory.

## Manufacturer

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