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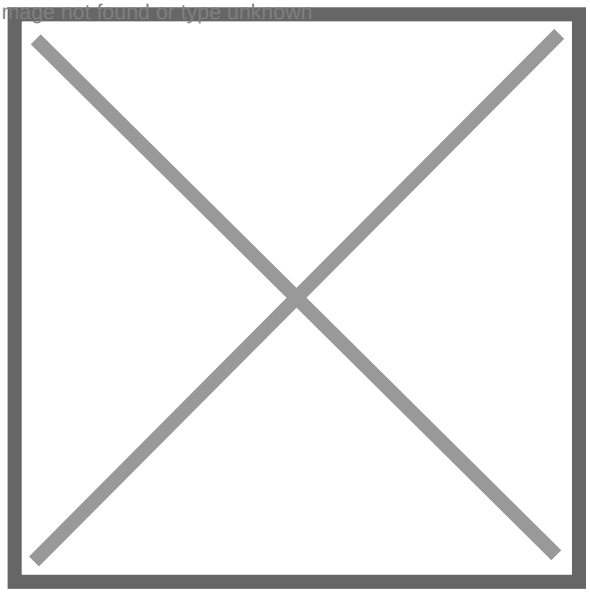
Product Name :

Mini Science Kit – Light and Shadows

Product Code :

SLE/CH/162

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Description :

Mini Science Kit – Light and Shadows (Product Code: SLE/CH/162) turns the playground and the classroom into a light laboratory. Pupils find out how shadows are formed and how they can be changed, track shadows through the day, use them as evidence that the Earth spins on its axis, test which surfaces reflect light well, explore mirrors and sort materials by whether they let light through. Manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, it is an optics experiment kit for school lessons that combine indoor tests with outdoor observation.

Key Details

Parameter	Detail
Type	Mini science kit (topic kit)
Topic	Light, shadows and reflection
Concepts covered	Shadow formation, daily shadow changes, Earth's rotation, reflective surfaces, mirrors, transparent and opaque materials
Activities	Eight activities, listed below
Setting	Classroom tests plus outdoor Sun and shadow observations

Activities performed with this kit:

- How are shadows formed?
- How do shadows change throughout the day?
- How do we know the Earth spins on its axis?
- Which surfaces reflect light the best?
- Does the Sun shine from the same direction at the same time each day?
- Do all materials let light through?
- What can you see with a mirror?
- How can a shadow change?

Typical Use

Indoors, pupils block a beam of light with different objects to see that a shadow forms wherever light cannot pass, then move the object or the light to make the shadow bigger, smaller or a different shape. They hold materials up to the light and group them as letting light through, letting some through or blocking it, and compare how well shiny and dull surfaces reflect. Mirror activities reveal how reflection lets us see round corners or behind us.

Outdoors, a shadow marked on the ground every hour shows its length and direction changing as the day goes on – evidence that the Earth is turning. Repeating the observation at the same time on different days answers whether the Sun shines from the same direction each day. Remind pupils never to look straight at the Sun or reflect sunlight into anyone's eyes with a mirror.

Manufacturer

Jain S a,
Harya
pape
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