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Product Name :

Periscope

Product Code :

SLE/LSM/07



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Description :

Periscope (Product Code: SLE/LSM/07) is a simple optical instrument used to observe from a concealed position, and to teach the reflection of light in primary and middle-school science. It isa tube with a mirror at each end, the two mirrors set parallel to each other and at 45° to the line between them, so students can see over a wall or round a corner. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, for any junior lab kit for primary school.

Specifications

Parameter	Detail
Construction	Tube with a mirror at each end
Mirror arrangement	Mirrors parallel to each other, each at 45° to the line between them
Purpose	Observation from a concealed position; teaching reflection of light
Product code	SLE/LSM/07
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is a Periscope Used For?

In the classroom the Periscope is the clearest everyday proof that light travels in straight linesand changes direction only when it is reflected. Light entering the top opening meets the firstmirror at 45°, turns through a right angle down the tube, and is turned again by the second mirror into the viewer’s eye. Because the mirrors are parallel, the scene appears the right way up.

A good lesson has pupils crouch behind a bench and read a chart held above it, then draw the ray diagram showing the two reflections. Older students can link the design to submarines and to watching over crowds. Keep fingers off the mirror surfaces, wipe them only with a soft cloth, and never point the Periscope at the Sun.

Supplier

This Periscope comes from the Science Material range supplied by Jain Scientific Equipments Private Limited, the company that trades as ScienceLab in Ambala, Haryana. Schools, tuition and activity centres, dealers and importers across India and international markets can order it on its own or with other light and optics items. More about the company is on our profile page.

Related Science Material

Use these items alongside the Periscope in lessons on reflection:

- Plane Mirror — lets students measure the angles of a single reflection before explaining the Periscope.
- Kaleidoscope — shows what happens when light reflects many times between mirrors.
- Prism – Acrylic, Set of 7 — for comparing reflection by mirrors with the bending of light by prisms.

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