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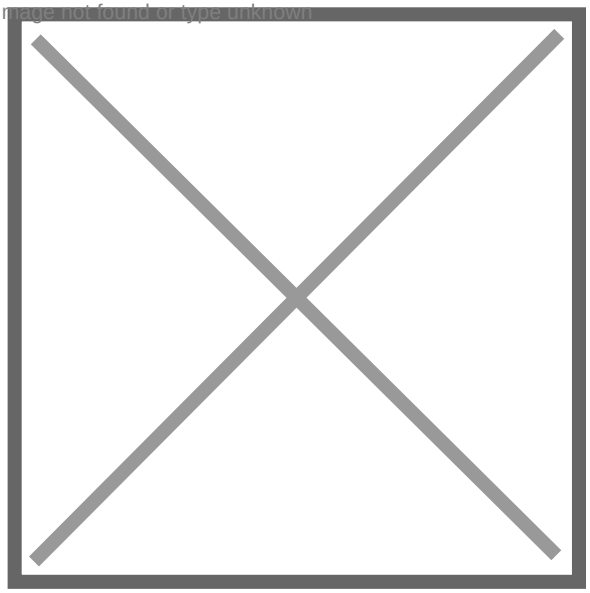
Product Name :

Mini Science Kit – Friction and Force

Product Code :

SLE/CH/160

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Description :

Mini Science Kit – Friction and Force (Product Code: SLE/CH/160) gives pupils a practical route into forces they meet every day: friction between surfaces, the upward push of water andthe drag of air. Activities cover reading forcemeters, testing which surfaces let objects slide,weighing objects in air and in water, spinners, shapes moving through water and the fall of aparachute. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, as aforce and motion experiment kit for school science lessons.

Key Details

Parameter	Detail
Type	Mini science kit (topic kit)
Topic	Friction and force
Forces explored	Friction, weight, upthrust in water, water resistance, air resistance
Measurement skill	Reading forcemeters
Activities	Six activities, listed below

Activities performed with this kit:

- How to read forcemeters?
- Which surfaces allow objects to slide?
- Weighing in air and water
- Spinners
- Shapes moving in water
- Fall of a parachute

Typical Use

Teachers usually open with forcemeter practice, because every later activity depends on reading a scale accurately. Pupils then drag the same object across different surfaces and compare the pull needed, discovering that rough surfaces create more friction than smooth ones. Weighing an object first in air and then while it hangs in water shows that the reading drops – the water pushes up on it. The shapes-in-water activity asks which shapes move through water most easily, a good lead-in to why boats and fish are streamlined.

Spinners and parachutes move the focus to air resistance. Groups drop them from the same height, time the fall and change one feature, such as canopy size, to see the effect. As a friction experiment kit for school science, it rewards careful fair testing: repeat each measurement, keep the same object and height, and record results in a table. Dry any items that have been in water before packing them away.

Manufacturer

Jain Scientific Equipments Private Limited makes this forces kit at Ambala in Haryana and sells it under its ScienceLab trading name to schools and colleges. Find out more in our company profile.

Rela

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