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Product Name :

Orbiter Model

Product Code :

SLE/GG/17



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Description :

Orbiter Model (Product Code: SLE/GG/17) is a gear-driven model of the Sun, Earth and Moon that shows how the three bodies move in relation to one another. A 15-inch arm carries a 4-inch Earth and a 1-inch Moon around a 6-inch Sun, so students can watch daylight and night, the seasons and the phases of the Moon play out in front of them — and answer questions such as how many days Earth takes to revolve around the Sun. It is a dependable Sun-Earth-Moon demonstration model for geography and general science classrooms, manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, and supplied with a study guide.

Specifications

Parameter	Detail
Mechanism	Gear-driven
Arm length	15 inch
Sun diameter	6 inch
Earth diameter	4 inch
Moon diameter	1 inch
Demonstrates	Daylight, night, seasons and phases of the Moon
Included	Study guide

Typical Use

Place the model on a front bench where the whole class can see it and move the Earth slowly along its path. Because the model is gear-driven, the Moon keeps its correct relationship to Earth as the arm turns, so one continuous demonstration can cover several ideas: the side of Earth facing the Sun has day while the other has night, the Moon’s changing position gives its sequence of phases, and Earth’s position around the Sun links to the seasons. Pausing at key points and asking students to predict the next phase keeps the lesson interactive.

Together with the included study guide, the model is useful both for introducing the topic and for revision before exams. Handle the arm gently rather than forcing it, keep the gears free of dust and store the model upright so the Earth and Moon stay correctly aligned.

Manufacturer

The Orbiter Model is one of the teaching models made by Jain Scientific Equipments Private Limited, which does business as ScienceLab from Ambala in Haryana. The company builds apparatus for school and college laboratories and ships to customers in India and international markets. Find out more on the ScienceLab company profile.

Related Geography Lab Equipment

These products are often used alongside the Orbiter Model in lessons on the Earth in space:

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