Email : sales@scilabexport.com
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Product Name :

Ob-Scertainer Kit

Product Code :

SLE/EB/08



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Description :

Ob-Scertainer Kit teaches the scientific method through indirect observation, in which students work out what they cannot see from the clues they can gather. With 24 steel balls, 50 student worksheets and various moulded parts, they design a test, build a model to explain the evidence, test a hypothesis and draw conclusions. The parts are reusable.

Ob-Scertainer Kit contents and skills

Parameter	Detail
Type	Scientific method and indirect observation activity kit
Skills taught	Experimental design; using a model to explain indirect observation; testing a hypothesis; drawing conclusions
Steel balls	24
Student worksheets	50
Other components	Various moulded parts
Reusable	Yes
Product code	SLE/EB/08
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Supplied by	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Indirect observation lessons with the kit

First trials and a first model. Each group gets a steel ball and moulded parts set up as the kit instructions describe, with the inside hidden from view. Students tilt, turn and gently shake the part, listen to how the ball moves and record every trial on a worksheet. From these clues they sketch a first model of the hidden layout and note how sure they are.

Predict, test, revise. From the model, each group writes a prediction, for example where the ball should come to rest when the part is tipped a certain way, and then runs the test. A result that disagrees means the model changes and is tested again. Swapping with a group that has the same layout shows whether two teams reach one picture from the same evidence.

A new instrument. Partway through, hand each group one of the bar magnets. Where the magnet acts through the moulded part, moving it slowly over the outside lets students steer the steel ball and gather evidence they could not collect before. The Cond… …ills.

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