

## STAR KITS

STaR Kits (Science Teaching and Resource Kits) are designed to support the teaching and learning of science through inquiry-based activities.

Targeted at primary and secondary levels, the kits can be used to develop inquiry process skills in students and to stimulate student talk as they construct understanding about science concepts or ideas.

STaR Kits is a collaboration between Ministry of Education, Singapore and Science Centre Singapore. We are proud to be the distributor for these kits in Singapore and the region.



### ▷ Density Kit

An excellent kit for students to understand density and its relationship to mass and volume. The kit consists of 4 sets of cubes made of soft-foam, acrylic, wood and aluminium. Each set consists of 5 sizes, ranging from a cube of side 2cm to that of 6cm. There is a colour instruction manual. Suitable for teacher's demonstration or small group activities.

**B906**  
- \$83.00

### ▽ Black Box

The black box allows student to investigate and understand the properties of light, by experimenting with its properties. The set includes a black box, 4 coloured transparent filters, a black screen, 2 white balls and some geometrical shapes. The black box allows students to look at objects under complete darkness and understand that we see objects because of the reflection of light on them.

**B908**  
- \$65.00

### ▷ Mystery Spongee

Helps develop an understanding of the nature of science through a collaborative process based on observations and inferences. Used in small groups, students take turn to be the scientist and try to determine what this mystery spongee is, through observation, by making inferences and conducting simple experiments to validate them

**B907- \$150.00**

### ▽ Chemistry ICT

An excellent ICT tool for chemistry, it can be used in self-directed learning, incorporated into classroom lessons, or used as revision to reinforce concepts taught. The tool has 5 sections, namely Objectives, Learning, List of ions, How to Play and Start Game. Students select the correct number of positive and negative ions to create the correct compound and scores. The problems become more challenging as they progress. Exciting, fast paced and lots of fun.

**B908- \$26.80**

### Heat Kit

A good kit to teach students that different materials conduct heat at different rate. Students can also observe and understand the water cycle. The kit consists of a heating mantle without any exposed heating element. The cover is specially constructed with 6 rods, with only 20% protruding above the cover. This cover is used for the heat conduction experiment.

**B909- \$95.00**





## DISCOVERY


**SCIENCE CENTRE**  
 singapore

There are 3 new additions to the STARKITS Series

### ◁ Friction Kit

Friction is a force that opposes the movement of a sliding object. Friction can be found everywhere around us, in places where objects come in contact with each other. The experiments allow students to explore how frictional force affects the movement of objects with different mass, surface area and surface roughness. This experiment setup will also help in clearing student misconceptions regarding Friction. Teachers can guide students to explore the factors that influence the frictional force between two objects. The inquiry based learning exercises are clearly explained in the accompanying lesson plan that teachers can use with the kit which consists of different wooden block surfaces, weights and a simple pulley system.



### Holey Moley ▷

Are you finding it hard to teach/learn Stoichiometry? Well, the Holey Moley Kit might be just what you need. Designed as a board game based on the popular "Snakes and Ladders", Holey Moley can help to provide a clearer understanding of the Mole concept, Atomic structure and Stoichiometry. Up to 5 players can simultaneously use the Holey Moley kit for team play. The pack includes cards, chips, cube die and answer sheets so students can challenge each other to race to the end of the board while sneaking in some revision for the next Chemistry test – studying has never been so more fun!

**\$56.00**


### ◁ Light Kit

The purpose of the Light Kit is to help students develop an understanding on how the angle from which the light is shone affects the length and direction of the shadow cast. It features an arc with individually controlled 7 light bulbs, simulating the position of the sun in a day. Teachers can perform effective demonstration by placing the wooden blocks of various shapes on the base, to observe how shadow is formed and measure the length of the shadow. Each Light Kit is accompanied with a user manual with a list of experiments.


**\$89.50**