

SUPER A  
SCIENTIFIC

EARTH SCIENCE

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## Table of Contents

<b>Earth science Kit</b> .....	3	Solar Energy Car MS501-10 .....	10
Cavendish Gravitation Balance 1600-5 .....	3	<b>Weather Kit</b> .....	<b>10</b>
Foucault Pendulum Apparatus 1600-8 .....	3	Anemometer 1000 .....	10
Coriolis Effect Kit 3226 .....	3	Sling Psychrometer Kit3106 .....	10
Simple Harmonic Oscillation Projection Demonstrator J2220 .....	3	Indoor/Outdoor Giant Round Thermometer 42182 .....	11
Secchi Disc MS503 .....	3	Glass Barometer BA308, BA309.....	11
<b>Geographer Globe</b> .....	4	Dial Barometer DB-01 .....	11
<b>Magnifier</b> .....	4	Galileo 01 .....	11
Foldable Magnifiers.....	4	Dry Type Thermometers MS213.....	11
Illuminated Magnifiers .....	5	Weather Station ZLS181.....	11
Pocket Loupes .....	5	Thru_check Rain Gauge ZLS1153 .....	11
Straight Handle Magnifiers .....	6		
Table Magnifiers.....	7		
<b>Map Compass</b> .....	7		
<b>Mineral Collection</b> .....	9		
<b>Solar Energy Demonstrator</b> .....	<b>10</b>		
Solar Cell Demonstration 1849-2 .....	10		
Solar Energy Car MS501-1-2 .....	10		
Solar Plate MS501-3-F.....	10		
Solar Energy Conversion Demo MS501-4-1 .....	10		
New Solar Energy Car MS501-5 .....	10		

## Earth Science Kit



### **Cavendish Gravitation Balance** **1600-5**

This classic instrument is used to measure the value of G (gravitational constant) the same way Sir Henry Cavendish did in 1789. Consists of a pair of small lead balls mounted on a "T" member suspended with a thin wire and a pair of large lead balls. Oil damping is provided for faster results. Requires a laser ( not included )



### **Foucault Pendulum Apparatus** **1600-8**

This unit is for measuring the Earth's rotation in a smaller scale with this innovative instrument. A unique energy compensation mechanism enables continuous operation of the pendulum; glass windows shield the unit from drafts for uninterrupted, precision measurements; and a special 360° scale enables exact recording of directions. Designed for in depth analysis and advanced studies, this Foucault Pendulum features amplitude adjustment and built-in illumination.

Size: 40.6 x 40.6 x 144.8 cm;  
Weight: 110 lbs.



### **Coriolis Effect Kit** **3226**

As the steel spheres track a pattern on the kit turntable, students simulate the effect of the earth's rotation on winds, ocean, currents, and material objects. Each kit includes one 14" diameter base with erasable tracing surface mounted on a turntable, removable launch structure, two 5/8" diameter steel spheres.



### **Simple Harmonic Oscillation Projection Demonstrator** **J2220**

This unit can draw oscillation image from oscillation object directly, and the image can be reflected at the screen by projector so that the students in classroom can observe at same time. It has the features of easy operation, vivid image and excellent teaching results.



### **Secchi Disc** **MS503**

This product is to analyze water clarity by lowering the ABS disc into water until the pattern is unrecognizable.

## Geographer Globe



Popular globe for young students to use primarily as a reference to geopolitical features, our globe can easily be picked up and held. In fact, we designed it for individual student desk use.

Globe is marked with seven brilliant colors and furnished with a mount. The globe emphasizes political boundaries of countries by showing them in contrasting solid colors, and features thousands of exceptionally legible place names. Mountains are in raised relief and are shaded 3-dimensionally. Flow and direction of ocean currents are illustrated. Die-cast meridian and base have durable finish. A durable plastic meridian and smooth rotation on axis also makes it a valuable tool for planetary demonstrations. All sizes are available for students' needs.

Language available: English, Spanish.

## Magnifier

### Foldable Magnifier



YT1038 – 1039



YT80504



YT80508



YT80512



YT80521



YT80522



YT80533



YT80534



YT80538



YT90539



YT80540



YT80541



YT80801



YT80805

Pocket Loupe



YT81002



YT81010



YT81013

Illuminated Magnifier



YT1030



YT80405



YT80414



YT81015



YT81020



YT81021



YT80418



YT80440



YT80444



YT81022



YT81025



YT810026



YT80907



YT80911



YT80915

Straight Handle Magnifier



YT1008



YT1020



YT1028



YT80639



YT80716



YT90724



YT80601



YT80606



YT80620



YT80727



YT80739



YT81314



YT80622



YT80624



YT80620



YT81316



YT81329



YT81330



YT80626



YT80628



YT80636



YT81331

Table Magnifier



TY80105



YT80133



YT80201



YT80202



YT80203



YT80204



YT80205



YT81603



YT81703



YT81705

Map Compass



Compass

**313-2** Compass. alluminum, glass cover, 45mm dia.

**313-3** Compass, plastic, 500 dia.

**313-4** compass, plastic 35mm dia.

**313-5-1** Compass, plastic 40mm dia.

**MS401.2-2** Compass, plastic, black, 45mm dia.

Durable compass features color-coded pole markings for easier reading.



Directional Compass

**YJ1033H**

Relate orientation and map skills with this clear plastic liquid filled compass. While locating your destination, you measure the distance.



Map compass

**YJ1017**

Relate orientation and map skills with this clear plastic liquid filled compass. While locating your destination, you measure the distance.



Map Compass

**YJ1017B**

Relate orientation and map skills with this clear plastic liquid filled compass. While locating your destination, you measure the distance



**Map Compass  
YJ1017D**

Relate orientation and map skills with this clear plastic liquid filled compass. While locating your destination, you measure the distance.



**Map Compass  
YJ1081**

Relate orientation and map skills with this clear plastic liquid filled compass. While locating your destination, you measure the distance.



**Map Compass  
YJ1081B**

Relate orientation and map skills with this clear plastic liquid filled compass. While locating your destination, you measure the distance.



**Map Compass  
YJ1081C**

Relate orientation and map skills with this clear plastic liquid filled compass. While locating your destination, you measure the distance.



**Map compass  
YJ1081E**

Relate orientation and map skills with this clear plastic liquid filled compass. While locating your destination, you measure the distance.



**Map Compass  
YJ1082N**

Relate orientation and map skills with this clear plastic liquid filled compass. While locating your destination, you measure the distance.



**Map Compass  
YJ1084**

Relate orientation and map skills with this clear plastic liquid filled compass. While locating your destination, you measure the distance.



**Map Compass  
YJ1086B**

Relate orientation and map skills with this clear plastic liquid filled compass. While locating your destination, you measure the distance.



**Map Compass  
YJ1086Q**

Relate orientation and map skills with this clear plastic liquid filled compass. While locating your destination, you measure the distance.

## Minerals Collection

Introduce students to the fascinating world of paleontology. Pack includes well-preserved remains of once-living prehistoric plant and animal life from the Cambrian to Tertiary periods. Provide excellent teaching examples from most major groups.



WU202



WU203



WU204



ES-001



ES-002



ES-003



WU301



WU302



WU303



ES-004



ES-005



ES006



WU304



WU305



WU306



MS908-1



MS908-2



WU201



MU401

## Solar Energy



### Solar Cell Demonstration 1849-2

This is a great desk top item and attention getter. Four powerful solar cells are mounted on a revolving disk and motor. This in turn is mounted to a plastic stand and base. Watch as the entire disk (solar cells is included) begins to whirl around when the unit is placed in the sun.



### Solar Energy Car MS501-1-2

This is a great desk top item and it makes use of the sun with our solar powered vehicle. Powerful solar cells are mounted on the top of the car and solar energy drives the car forward smoothly.



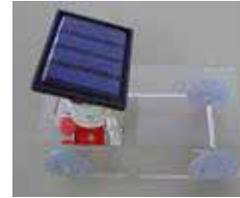
### Solar Plate MS501-3-F 10 x 13cm MS501-3 4 x 6cm

This unit can receive solar energy. It could be one of energy sources in laboratory demonstration. Safe, simple-to-use encapsulated mini-panels utilize solar cells similar to those the power satellites in space. Sturdy panels will endure handling without the normal breakage and cell damage associated with solar cells.



### Solar Energy Conversion Demo. MS501-4-1 MS501-4-2

This unit demonstrates the solar energy conversion to three different energy forms. The unit shows the students the energy conversion principle.



### New Solar Energy Car MS501-5

This is a great desk top item and make use of the sun with our solar powered vehicle. Powerful solar cells are mounted on the top of the car and solar energy drives the car forward smoothly



### Solar Energy Car MS501-10

This is a great desk top item and make use of the sun with our solar powered vehicle. Powerful solar cells are mounted on the top of the car and solar energy drives the car forward smoothly.

## Weather Kit



### Anemometer 1000

Classic design demonstrates the operating principle of cup anemometers; cup rotation reflects changes in air velocity. Since this extra sensitive model responds to wind velocities as low as 2 mph, a standard electric fan may be used as the wind source.



### Sling Psychrometer Kit 3106

This kit includes a sling psychrometer with wet bulb, wick, and rubber band; and dry bulb thermometers that rotate on a plastic handle. No mercury filling.



**Indoor/Outdoor Giant Round Thermometer  
42182**

Large-display thermometer with 12" diameter is great for classrooms. The large numbers let you read temperatures from a distance. Range: -40° to 140° Fahrenheit outside and -40° to 60° Celsius inside. Includes keyhole slot for simple wall mounting.



**Galileo -01**

This elegant and timeless instrument is based on Galileo's theory that a fixed mass's buoyancy is inversely related to the liquid temperature of which it is suspended in. Watch the liquid filled spheres rise and fall in the column based on the ambient temperature. Each sphere is fixed with a Fahrenheit metal tag. The lowest sphere in the top of the column indicates the ambient temperature. Available in various sizes.



**Glass Barometer  
BA308, BA309**

This barometer quickly indicates any variations in atmospheric pressure. When high pressure and good weather are approaching, the liquid is pushed down the spout. However, when low pressure and bad weather are on their way, the greater pressure trapped inside the weather ball causes the liquid in the spout to rise

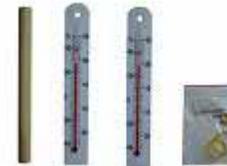


**Glass Barometer  
BA30806**

This barometer quickly indicates any variations in atmospheric pressure. When high pressure and good weather are approaching, the liquid is pushed down the spout. However, when low pressure and bad weather are on their way, the greater pressure trapped inside the weather ball causes the liquid in the spout rising.



**Dial Barometer DB-01**  
Diameter option: 70mm, 90mm, 108mm,  
132mm, 180mm  
Color option: blue, gold, yellow



**Dry Type Thermometers  
MS213**



**Weather Station  
ZLS181**

Six-function weather meter tells daily and total rainfall, wind speed and direction, wind chill, and temperature. Mounts on window.



**Thru-check Rain Gauge  
ZLS1153**

Measures from 0.01" of rain fall up to 5". Transparent, all plastic unit have wedge-shaped wall on which an easily read scale is imprinted. The gauge has inch markings on the front.