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ENERGY CONVERSION

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Energy Conversion

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Electrical Energy



**Magnetism Torch
MS307.4**

As per magnetism principle, only moving the torch at horizontal direction a few second, then the torch will be light on.



**Temperature (Heat) Generator
MS307.6**

This generator is driven by the widely water temperature difference. Immerse one metal bar in cooled water and other metal bar in hot water, a few seconds, at the top of small motor will be running fast due to the big water temperature difference. It is good for science education.



**Electric Bell
MS406**

The apparatus consists of a magnet, a shaded pole, and a bell, all mounted on a board. It is designed to show how electrical energy converted to sound energy (bell).

Mechanical Energy



**Energy Conversion Demonstrator
J2481**

Illustrate the changing of energy from one form to another with this classroom demonstration. Three energy sources are provided mounted on a board – a battery, solar cell, and DC generator for a series of experiments and energy conversions. Sound, light, heat, magnetic, and mechanical transducers are also included mounted on accessory boards.

Heat Energy



**Steam Generator
1873**

A useful accessory for many experiments involving thermal energy. Constructed of a heavy gauge aluminum. Consists of a boiler, sample cup, tripod and two rubber stoppers with and without hole. The boiler is 100mm diameter x 170mm height, the stand measures 240mm in height.



MS315.1

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 are included, begin to whirl around when the unit is placed in the sun.



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

This unit demonstrates the solar energy conversion to three different energy forms. To show to the students on energy conversion principle



Solar Energy Car
MS501-1-2

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.



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 drive the car forward smoothly.



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

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



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 drive the car forward smoothly.