



your partner in education

Science

Logic

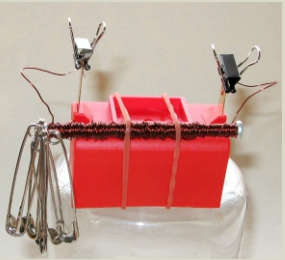
Crafts

Do-It-Yourself Kits



My own Motor

The kit consists of a battery box, switch, magnet, beads, copper contacts and enamelled copper wire. with an instruction manual which gives a step by step instruction to make your own motor. The write up gives insight on the concept of converting electrical energy to mechanical energy.



Electro Magnet

The kit consists of battery box, enamelled copper wire, rod, copper contacts, clips and an instruction manual which gives step by step instruction to make your own electro magnet. The write up gives insight on the concept of electromagnets and the relationship between electricity and magnetism.



Floating Magnets

This floating magnet kit consists of a rod, a base, cap for the rod and 4 magnets. The instruction sheet gives some insight on the properties of magnets and the application of magnets in real life. This kit is fun to play and leads to better understanding of magnetic properties.



My own Compass

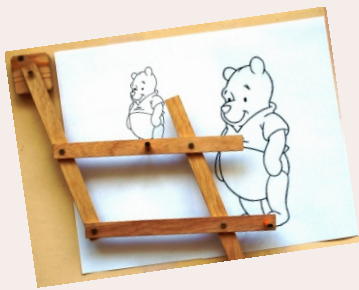
This kit consists of needle, foam, bowl and a magnet. Once the assembly is made you have your own compass which shows the direction of North. The writeup has a description of how a compass works.



Praxinoscope

This is an Animation device consisting of a base, stand, a cap, a revolving plate and a mirror. It is used to view images of natural motions of real objects. Looking at the mirror you would see a rapid succession of images producing the illusion of motion. It comes with 8 paper discs 4 with images and 4 for you to create your own.

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Pantograph

An excellent craft tool to copy, enlarge or shrink a drawing or letter. It allows a user to attach an anchor at one end and a writing instrument at the other. Consists of wooden flats, wing nuts, screws, rubber washers, pencils, anchor block and can be assembled without any tools.



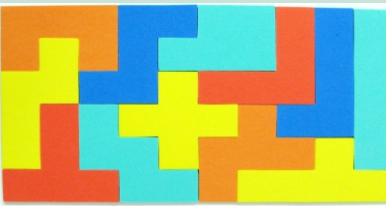
Tower of Hanoi

Consists of pegs, Base and Discs. It's a puzzle that comes with a write up on how to go about solving the puzzle explaining the mathematical aspects and deriving the concept of recursive algorithm logically.



Shapology

Consists of 5 sets of colored puzzles. Each set consists of different number of pieces. These have to be put in together and assembled on to the compact box. It only gets more interesting as the number of pieces increase. Helps in developing mathematical reasoning, visual and spatial, tactical and motor skills. A puzzle that will appeal to individuals of all ages.



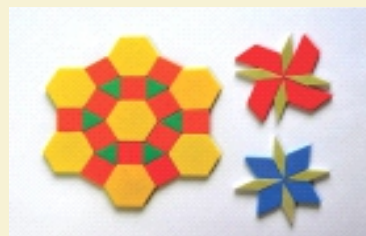
Pentaminoes

The basic set of pentaminoes consists of twelve different pieces. Each piece is made up of 5 squares. Their shapes resemble alphabets - FILNPTUVWXYZ. Pentaminoes have been a part of recreational mathematics for over a hundred years.



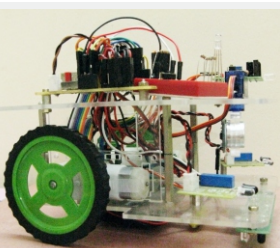
Tangram

Four set of Tangram shapes in four different colours.. The seven shapes have proportional sides and is used as puzzles in which all seven pieces must be put together to create various shapes.



Pattern Blocks

Pattern Blocks consists of six different shapes of different colors. Yellow hexagons, red trapezoids, orange squares, green triangles, blue parallelogram and white rhombus. They can be used to build pictures of animals, flowers, ships, rockets, cars and trains, and used in tiling patterns in forming tessellations.



Robotics

Assemble a Robot
Line Follower
Obstacle Avoider
Edge Follower



Automata

Explore simple mechanical moving toys



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