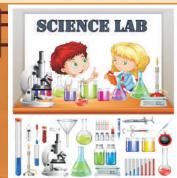


Covers CBSE & **State Board Syllabus**

"HANDS-ON" ACTIVITIES arator



Total Manual

All take away kits..!

his course is Hands-On Activity version of class 10 theory syllabus. In this course, every student does every activity specified here.

Course methodology is aimed at helping the students understand the concepts thoroughly.

The objective of this course is to make the students understand basic concepts in the science through experiments. The focus will be on encouraging students to apply the concepts learned to real-life situations.

This preparatory program will not only help students understand better what is taught in regular school classes, and hence do well in board exams but will also help them develop the acumen which will give them a distinctive edge over the rest of their peers.

This program forms a solid foundation of conceptual understanding for various competitive exams.









Two Formats

- Purchase Kits for Individual Use
- Attend Crash Course of Class Ten Science







Physics Activity Kit 1

Magnetism & Electromagnetism

- Tracing magnetic lines of forces using iron filings
- Making of electromagnet to demonstrate magnetic effect of electric current
- Magnetic lines of in a circular wire loop
- Attraction & repulsion in electromagnet
- Make a working model of simple DC motor
- Making a hand-held Electricity
 Generator
- Wireless transfer of power. Concept of Transformer.

Physics Activity Kit 2

Optics (Reflection & Refraction)

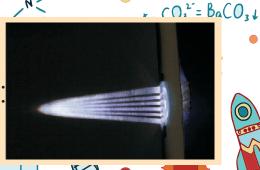
- Preparation of optical bench and light source
- Image formation in plane mirror. Laws of reflection
- Image formation in Concave and convex mirror using simple optical bench made by students.
- Convergence, Divergence of light and focal length of Concave and convex lens (Ray box activity)
- Images formed by convex lens with object at different distance (optical bench activity)
- Refraction through glass slab activity
- Dispersion of light rainbow formation



EVEREADY











Science is always backed by experimentation. We often ignore this. When you learn science concepts by experiments, you will know them thoroughly. You will score better in exams is a sure achievement, but more important is that you will understand science!!



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Physics Activity Kit 3

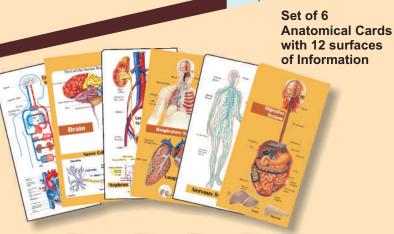
Electricity

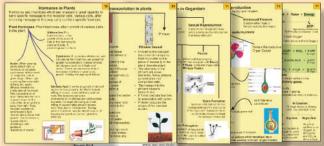
- Electricity Board making activity
- Making of simple circuit and use of switch
- Understanding short circuit
- Identification of conductors and insulators
- Verification of Ohm's law
- Changing resistance in the circuit use of rheostat
- Types of circuits series and parallel
- Resistivity of metals
- Use of Carbon Film Resistors along with bulbs
- Making of electrical heater
- Heating effect of electrical current

Biology Activity Kit 1

Biology

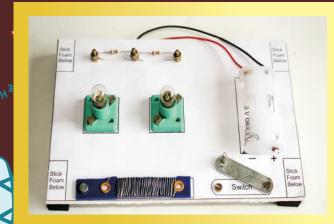
- Human Anatomy study of Brain, Nervous system, Heart, Circulatory, Respiratory System and more...using colourful card and charts
- Working of Eye making a model using lens, bowls and screen
- Working of lungs making a study model
- Flash Card based learning for important Biology topics from syllabus
- Activity on Photosynthesis to be done at home using given kit.

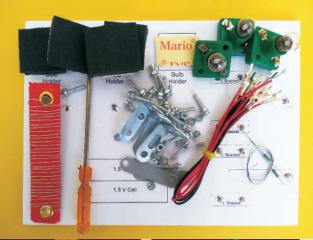




cards having
18 surfaces of
knowledge presented in
mind-map / flow-chart format.

Set of 9







Working of Eye



Working of Lungs



Activities on Photosysnthesis

Chemistry Activity Kit 1

Types of Reactions, Metals & Non-metals

- Modern Periodic Table, classification of elements
- Heats of reaction
- Combination reaction
- Electrolysis of water
- Single displacement reaction
- Double displacement reaction
- Oxidation reduction reaction





Chemistry Activity Kit 2

Acids, Bases and Salts

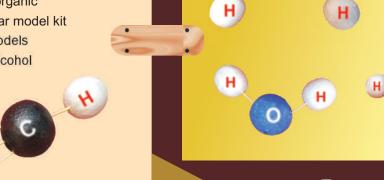
- Testing acids and bases using Litmus paper, pH paper, Methyl Orange indicator
- Reaction of acid and base with a metal
- Reaction of metal carbonate with acids
- Neutralization reaction
- Reaction of metal oxides with acids
- Types of salts and their properties



Chemistry Activity Kit 3

Carbon Compounds

- Explore structure of simple organic, inorganic molecules and solids by using molecular model kit
- Make single, double and triple bond models
- Perform chemical reaction to oxidize alcohol





Contact us for:

- Purchase of Kit for Individual Use
- Registration for Crash Course
- Organizing a Crash Course
- Become a Partner with Us



