

## Developing Scientific mind-set in children.



Sunday Science School has developed an Academic year-based program for students to explore Science by doing it and thereby enrich their knowledge sphere. The concept is promoted and nurtured by people, who are active for over 20 years, in development of products and content for "Hands-On Science" for children.

The program is based on experiential learning, which fosters an environment of accelerated learning through self-discovery and participation.

Our attempt is to give children Science Activities to engage them intellectually and physically. The goal is not necessarily to create Scientist but to create civilized Indians, who apply their Brain to the problems and use scientific approach to find their solution.



- Science Exposition at the end of the program.
- Students' presentation skill improvement.



- Sunday Science School - Level 2 is a 'hands-on' Activity program of about 20 sessions of 2 hours each.
- Students studying in 8<sup>th</sup> to 9<sup>th</sup> std or after completion of Level 1 can enroll for this program.
- Different topics in science are discussed and students perform activities based on these topics.
- All models and experimentation material is given on 'take-home' basis. This Creates a small Lab at home.

### Endless benefits...

- Develops scientific mind-set
- Enhances brain function & episodic memory.
- Heightens appreciation of how science works.
- Enhances understanding of scientific concepts.
- Builds fine motor skills.

Find your nearest centre for admission  
[www.sundayscienceschool.com](http://www.sundayscienceschool.com)

India  
 Bahrain

and growing....

We also offer different types of day-long Hands-On Science workshops, year long syllabus mapped activities for CBSC schools & more...

## Sunday Science School



### Head office

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9 States  
 70+ Centers.  
 35,000+ Students  
 have already  
 experienced it...

Every  
 Sunday  
 2 Hours



## Sunday Science School Level 2



Join & explore scientist within you.

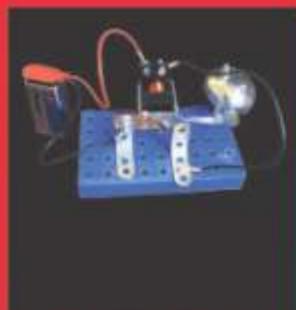




### Electromagnetism

The activities focus mainly on understanding of basic concepts, like EMF, EM Induction etc. and developing applications.

- ▶ Study of Solenoid
- ▶ Make an ammeter
- ▶ Hand held DC generator
- ▶ Electric Bell
- ▶ EM crane



### Mechanisms



- Simple machines, mechanisms, momentum, working of engines
- ▶ Make a Newton's Cradle
  - ▶ Class I, II, & III Levers.
  - ▶ V type Engine
  - ▶ Understand pulley ratio



### Seminar & Exposition

Students will present science topics in class to improve science communication. At end of sessions, there will be an exposition of projects.



### Optics

Find out focal length of convex, concave lenses using ray box, understand convergence, divergence, refraction. Using glass prism, see dispersion of light, and refraction, Spectroscope, Laser beam, Total Internal Reflection



### Biology

Explore Microscopic world. Observe

- Human hair.
- Finger prints
- Crystals
- Cork Cell Structure
- Yeast plant
- Bread mold
- Fern & Mosses
- Potato starch
- Onion cells
- Cheek lining cell
- Paramecium

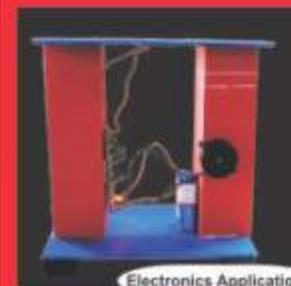


### Electronics



The activities are based on IC 555. Students make over 15 circuits. They also understand components.

- ▶ Fire Alarm
- ▶ Variable sounds / siren
- ▶ Motor cycle sound
- ▶ Water level indicator
- ▶ Burglar Alarm



### Electronics Applications



This is to develop actual applications. Students do Earthquake detector and automatic street light controller.

### Quiz Competition

Students will have Science Quiz in the middle of the session. It involves school syllabus based and GK based questions. There are medals for winning teams.



### Robotics

The activity in this subject is to develop a sound sensor based clap operated robot. This is a walking Robot with motor and sound sensor.

