

## What will you learn throughout the day?.....

1. Magnets & properties of magnets
2. Repulsion is sure test of magnets
3. Magnetic lines of forces & their properties
4. Electromagnet & its uses
5. Fleming's left Hand Rule
6. Construction of simple DC Motor
7. Acids - Bases & their properties
8. Acid - Base indicators
9. How acid & bases neutralize each other?
10. Respiration in human being
11. Capacity of lungs
12. Bernoulli's principle
13. How air pressure helps in drinking water using straw.
14. Properties of Air
15. Density of material
16. Working of Submarine
17. Concept of buoyancy
18. Archimedes principle
19. Why a ship made up of metal doesn't sink?
20. Newton's third law of motion (Action - Reaction)
21. Refraction of light
22. Types of lenses & image formation
23. Total internal reflection
24. Reflection of light
25. Calculate no. of reflection with two mirrors
26. Infinite images when mirrors are parallel
27. Aerofoil shapes
28. Controls of airplane
29. How airplane takes flight?

## Things students should bring with them

1. Cutter
2. Scissor
3. Fevicol tube
4. Cello tape
5. Exam pad
6. Pencil cells (2 no)
7. Empty 1 litre mineral water bottle
8. Tiffin box
9. Drinking water bottle
10. Compass box



Academic year Based Courses

### JUNIOR LEVEL

Every Sunday | Session : 1.5 Hours  
Duration : 18 weeks | For standard 3rd & 4th  
Take away kits  
More than 35 Science experiments & projects

### LEVEL 1

Every Sunday | Session : 2 Hours  
Duration : 22 weeks | For standard 5th to 9th  
Take away kits  
More than 45 Science experiments & projects

### LEVEL 2

Every Sunday | Session : 2 Hours  
Duration : 22 weeks | On completion of Level 1 or std 8/9  
Take away kits  
More than 40 Science experiments & projects

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We also offer different types of 1 hour to day-long  
Hands-On Science workshops, year long  
syllabus mapped activities for CBSC schools.

## Sunday Science School



### Head office

#### Sunday Science School

129/2/1, Second floor, G.B. Complex,  
Near Warje flyover, Warje, Pune-411 058.  
Web: [www.sundayscienceschool.com](http://www.sundayscienceschool.com)  
Contact: 09850047933, 09373035369  
Email: [info@sundayscienceschool.com](mailto:info@sundayscienceschool.com)

### South India Coordination Office

#### L Green Ventures

267, 2nd Floor, 1st Main, Domlur Layout,  
Near Vijaya Bank , Banglore 560071.  
Web: [www.lgreenventures.com](http://www.lgreenventures.com)  
Tel- 09448827438, 08971270234, 080 40968359



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# 1 Day Hands-On Science Workshop

DC Motor | Reflection | Air Pressure  
Airplanes | Action - Reaction | Cartesian Diver  
& Many more TAKE AWAY KITS...



## Activities & Projects in the workshop



### Repulsion is Sure Test for Magnetism

Learn about poles of magnets, attraction & repulsion.

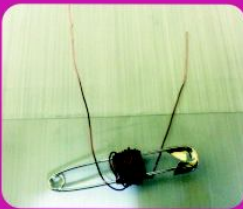
### Magnetic Lines of Forces

Understand the magnetic field around magnet & trace magnetic lines of forces.



### Make an Electro Magnet

Understand what is Electro Magnet & how it works?



### Simple DC Motor

Learn about motors & conversion of electrical energy to mechanical energy. Make a small and working motor with your creativity.



### Water becomes Red & Colorless again

Learn about acid, bases & indicators.



### Measure your Lung's Capacity

Know about respiration & understand working of lungs.

### Test your Strength

Learn about atmospheric pressure & try to suck water with two straws, with one straw open in air.



### Cartesian Diver

Learn about atmospheric pressure, buoyant force, density & how submarine works

### "Action-Reaction" based Motor Boat

Understand Newton's third law of motion & its applications.



### Coin gets Vanished !!!

Understand refraction of light in various mediums.

### Water as a Lens

Learn about convex & concave lenses & their uses



### Magical Test Tube

Understand total internal reflection & its applications.

### Multiple Reflections

Observe number of images formed by changing angle between two mirrors.

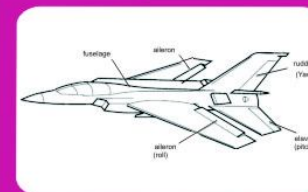
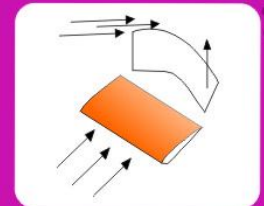


### Infinite Street lights

Learn about image formation when two mirrors are placed parallel to each other.

### Aerofoil Shapes

Learn about Bernoulli's principle.



### Understand controls of Airplane.

### Make a Durable and Controllable Plane



.....All take away kits