

## INDIA'S MOST PROMISING

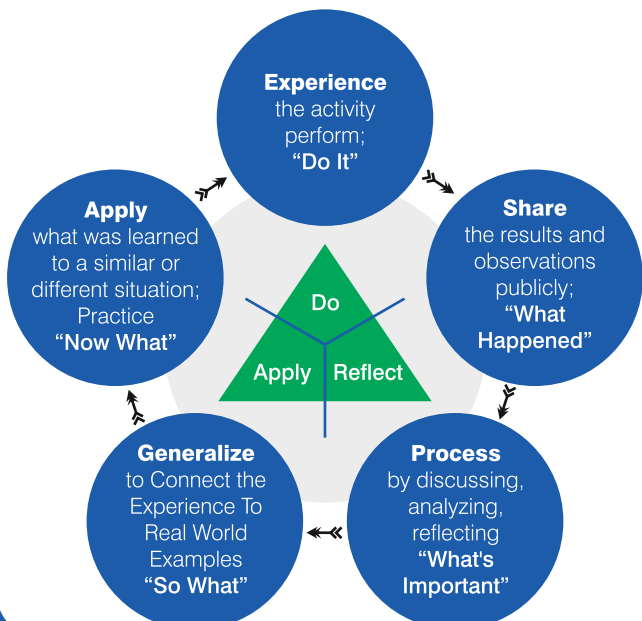
# HANDS-ON EXPERIENTIAL LEARNING PROGRAM

*for young minds*

- ★ **HELP** is a comprehensive program that provides at home 10 activity kits to every child based on School Science Syllabus. Videos for understanding scientific concepts and doing all activities will also be provided to every child.
- ★ The program also includes free access to guidance videos of science syllabus of child's academic Standard and Board. This will facilitate self learning to achieve **Academic Excellence !!!**
- ★ Kits will be sent directly to home using safe courier service. Nearby **Sunday Science School** centre will help child to do the activities and understand the concepts if needed.



### WHAT IS EXPERIENTIAL LEARNING?



Courtesy : Kolb's cycle

- ▶ Experiential Learning helps child improve skills, acquire knowledge, develop understanding of subject, know applications of science and also prepares child to take-on challenges of modern times !!!
- ▶ This year, SSS has planned academic Hands-on activity program.
- ▶ We will provide child with 10 *activity kits* at home, guidance videos of science syllabus of child's academic standard.
- ▶ Parents and SSS together can make sure that child does not miss any concept from science during this academic year.



# ACTIVITY KITS

- ▶ Gravitation & Space missions
- ▶ Periodic classification of elements
- ▶ Types of reactions
- ▶ Electric motor and Fleming's LHR
- ▶ Activities on Electromagnetism
- ▶ Dispersion of light and spectrum
- ▶ Image formation in lenses
- ▶ Metals and non-metals
- ▶ Carbon compounds
- ▶ Towards Green Energy

**30+ activities**  
**10 kits**



## SYLLABUS AND ACTIVITIES

### ★ Gravitation & Space missions

Acceleration due to Earth's gravitation force using Yo-Yo, make a model to understand circular motion & centripetal force, make a scale model of Indian Remote sensing satellite

### ★ Periodic classification of elements

Understand periodic table, Make a model to show electronic configuration of elements

### ★ Types of reactions

Perform experiments using chemicals: Heat of reaction, Combination reaction, Decomposition reaction, Single displacement reaction, Oxidation-reduction reaction etc

### ★ Electric motor and Fleming's LHR

Magnetic effect electric current, magnetic field produced by a current through a loop of conducting wire, making of a simple DC motor and understand Fleming's LHR

### ★ Activities on Electromagnetism

Magnetic field produced around the conductor, Electromagnetic induction, Fleming's right hand rule

### ★ Dispersion of light and spectrum

Laws of refraction, find refractive index of glass slab / prism, study dispersion of light and spectrum of different light sources using spectroscope, create a rainbow

### ★ Image formation in lenses

Ray diagram for refraction, Images formed by convex lens, Working of Eye model making

### ★ Laws of reflection in spherical mirror

Laws of reflection, Images formed by a concave mirror, worksheet to draw ray diagram for image formed by concave mirror, model to show convergence and divergence of light

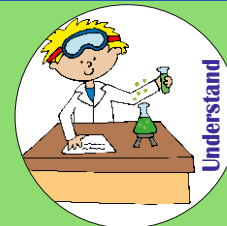
### ★ Metals and non-metals

Physical properties of metals & non-metals, Conduction of heat & electricity, Reactivity of metals with salts of other metals, Reaction of metal with acid

### ★ Towards Green Energy

Make & understand working of AC generator, right hand rule, Biology Flash cards

### HELP with Digital content



**HELP** project of SSS provides online academic support to students. Complete science text book is illustrated with graphics and animations. This will ensure that theory of all concepts will be well understood by students. The content is developed by senior academic professionals and experts.

Sunday Science School's HELP is a comprehensive method to prepare child with basic concepts in science during these tough times..



Innovative and Out-of-the-box concept



Highly recognized brand with presence in 10 states



Selected useful activities based on school syllabus



Professionally created e-content of Science book



Local Support by nearest centre of Sunday Science School

