

ACTIVE BRAINS CLUB

Session Details

Topic	Session	Detail
Introduction to the curriculum	1 (30 min)	Interacting and getting to know the curriculum for the whole year
Know your planet	1 (1 hour)	A study on what is earth and how it is different and what difference can we make in making it a better place
Semiconductor Technology	1 (1 hour)	Working with solar cells, LEDs, transistors and dynamos
Renewable Energy	2 (1 Hour each)	Knowing "off grid" concept Hands on experiments on solar panel, wind mill and hydroelectric power generation
Know your universe	1 (1 Hour)	A sneak peek into the unending world of wonders of universe and knowing who else is up there. Making of telescope
Night Sky Vision	2 (2 Hours each)	A night of gazing at stars and looking at moon and planets like never before through high end telescopes
Smart Electronics	2 (1 Hour each)	Digging deep into the concepts of electronics and working hands on with electronics components for making cool applications like Mobile charger, water alarm, fire alarm, LDR buzzer, electronic piano ETC
Innovate your Idea	2 (1 Hour each)	Students will come up with their own ideas of new applications and they will make them with our support
Introduction to Robotics	1 (1 Hour)	A day of knowing what's and how's of robotics
Motor Control and Sensors	1 (1 Hour)	Dealing with the driving and controlling units of a robot i.e. motors and sensors and performing hands on
Making Robots from Scratch	3 (1 Hour each)	Making some cool robots right from the first step and watching machines work on their own like table edge detector, mobile controlled ,line and light follower ,obstacle detector and avoider robot
DIY Labs	2 (1 Hour each)	Making one big innovative thing such as a bicycle, electromagnetic generator, water purifier, solar street light or just anything under the sun
Who's the star?	1 (1 Hour)	A one of a kind session for encouraging innovation through imagination where students are asked to make anything, be it a machine, a computer program, a write up, a story, or a painting and star performers are awarded
	20 sessions	

All sessions are conducted by experienced professionals in the respective field

Parental Consent Slip

Student Name _____

Roll No. _____ Class _____

Dear Parent/Guardian,

In an attempt to make students more competent and updated with technology *Scienceplace*, a prime STEM education institute, is organising a science and technology club "*Active Brains Club*" in your ward's school. This program is affiliated to *VigyanPrasar*, Govt of India. It is a great opportunity for him/her to work with the qualified faculty that brings an experience of years on board, on the latest technology and put the concepts he learns to practice. In the club there will be 20 sessions spread over the whole year. Lectures and workshops on a wide range of topics are going to be organised:

- Space Science
- Robotics & Automation
- Smart Electronics
- Renewable Energy
- SUPW (Socially Useful Productive Work)

Program will include hands on practical sessions and workshops on the topics mentioned. Please turn over for session details.

Along with learning and training he/she will be given an e-vigyan kit, *Scienceplace* merchandises and lot more. All of this will be available for the whole year for just Rs3500/- (inclusive of all taxes). We seek your consent and permission to allow your ward to be a part of the program.

Note: *This letter is being sent after a demo session by Scienceplace.*

Thank You

_____ parent/guardian of _____
_____ class _____ have read the information and understand the nature of the program and its importance. Therefore I hereby permit my child to be a part of the program and I shall be responsible for the remittance of the fees. I understand that participation of my ward is purely voluntary. However I understand that after enrolment he/she has to attend all the sessions and no refund will be done on any grounds.

Date: _____

Place: _____

Parent/Guardian Signature