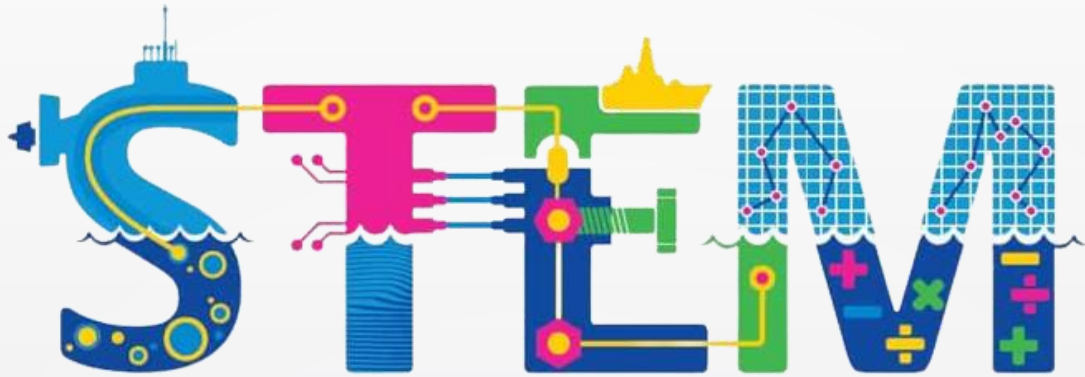
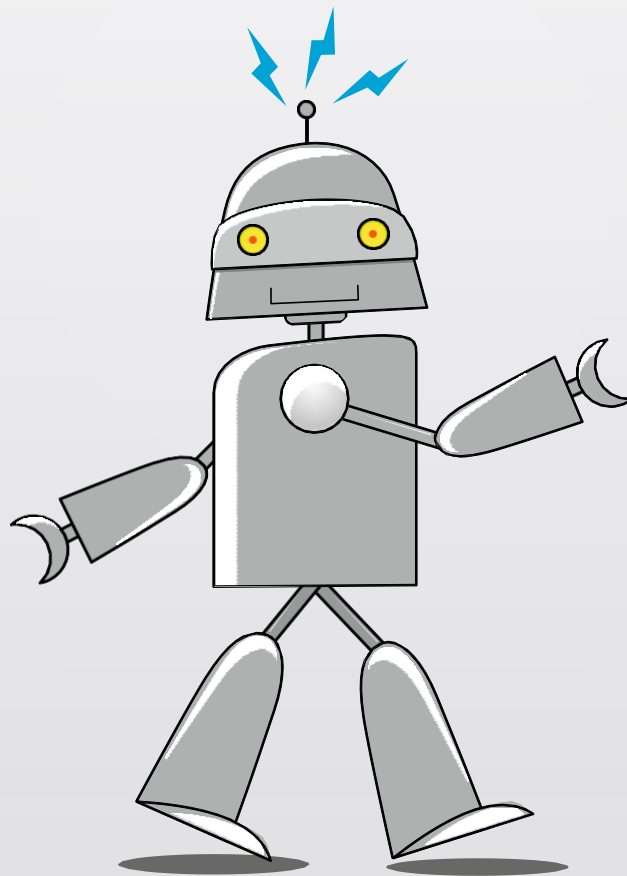


**BOSTON USA**



SCIENCE | TECHNOLOGY | ENGINEERING | MATHS

**Tinkering | Coding & AI | Robotics | IoT | 3D Design**



**Explore > Innovate > Enjoy**

Science Technology Engineering Mathematics (STEM)  
Learning Solutions For Schools  
[bostonusaeducation.com](http://bostonusaeducation.com) | 7840014144



## ABOUT

. Boston USA Education has taken an initiative to spread knowledge about new, advance & unique Technologies like Robotics, Coding & Artificial intelligence, Industrial Automation, 3D printers, Augmented Reality, Virtual Reality, Game & Android application Development, Internet of Things. We inspire the innovators of tomorrow.

**Our company offers one stop complete solution for designing and setup of Atal Tinkering Labs / Robotics Labs / Coding & Artificial Intelligence Labs / STEM LABS.**

In a quest to educate young children with a wholesome robotic learning we have stepped forward to train students about robot building and programming.

We are a constant facilitator in the scientific and technical education of students by providing them classroom education, workshops through wide variety of hardware and robotic kits, software based robot programming tools and web based learning resources.

We are a passionate team of engineers who believes that innovation lies in the hands of constant learners.

**WE TRAIN THE TRAINERS !**

## HIGHLIGHTS

- 10 years of expertise, skills & knowledge of this industry
- International accreditation by IAO, Houston, USA
- First Tech pro Company in INDIA to identify and catering the need of teaching these advance technologies.
- Associated with top institutes of the country like IIT Delhi, IIT Bombay, IIT Madras, IIT Kanpur, IIT Kharagpur, IIT Guwahati, DTU, Amity University, Shiv Nadar University, VIT University, Manav Rachna University.
- Associated with schools like ARMY Schools, DPS, DAV, G. D. Goenka, Shiv Nadar, RYAN, MAYOOR School, Indus, Indraprastha, Lotus Valley, Blue bells and many more.
- National & International Level Competition & event organized in IIT's every year by the name "ROBO-ZEST" by Boston USA Education Technologies.
- Cloud based Learning Management System for advance e-learning solutions.
- In House R&D Dept. and Manufacturer & Exporter of Robotic kits, Robotic p, Electronic Boards, 3D Printers, advance tech products , DIY Kits and many more.
- Offer One stop Turnkey Solution for Schools from Advance Hi-Tech Products, Unique Designed Curriculum, Teacher Training, Advance Student Training, Professional In-house facilitator, Design and Setup Robotic/ Coding & Artificial Intelligence/ Tinkering/ STEM labs , workshops in schools.

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## PRODUCT AND SERVICES



ADVANCE ROBOTIC /  
CODING & ARTIFICIAL INTELLIGENCE/  
STEM LAB DESIGN & SET UP



21ST CENTURY LEARNING  
WORKSHOPS



ATAL TINKERING LAB SETUP



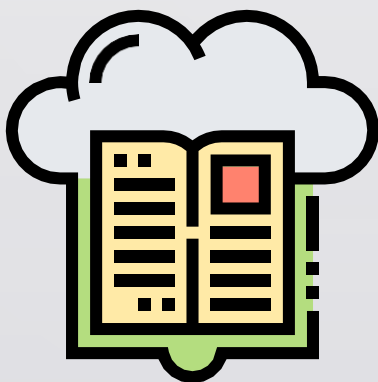
CERTIFIED SUMMER &  
WINTER TRAINING PROGRAM



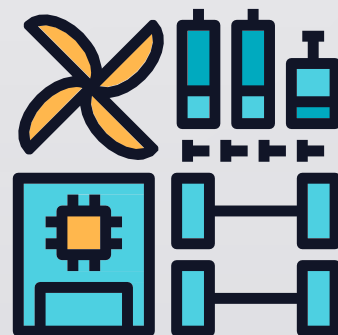
LAB DESIGN SUPPORT



INTERNATIONAL & NATIONAL  
LEVEL EVENT & COMPETITIONS



CLOUD BASED E-LEARNING



BUY ADVANCE TECH ROBOTIC KITS,  
P, PRODUCTS AND MORE



## STEM

STEM Labs is a concept introduced by Boston USA Education to help schools build Innovative Science Centres and Practical Based Learning areas. We have large range of products varying from electronics to building tools at cheapest prices all over India. We assure quality of all our products and a good selection of accessories and learning tools.

Also we have developed some Do It Yourself Kits by the name RobotriX for different age group of students.

### Highlights of STEM based Learning:



Activity based learning



New Technologies



STEM Concept



Do It Yourself



Curriculum Mapped Learning



Instruction Manual

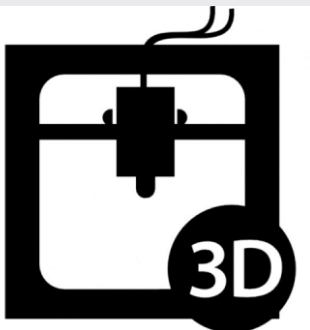


Cloud based Video tutorials

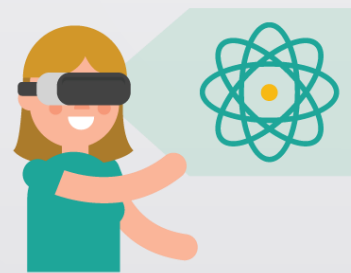


Complete set of building blocks

### Technologies:-



3D Printing



Virtual Reality



Robotics



Artificial Intelligence



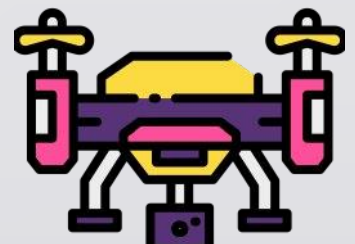
Android App & Game Development



Coding



Internet of Things



Drone

# STEM INNOVATION LAB SETUP

*Turnkey Solution By Boston USA Education*

Students are exposed to practical nature of STEM lab of what they are learning in their classrooms.

To setup a STEM Innovation lab to cater all age group of students we offer solution for Products, Curriculum & Training.

## Products:

Boston USA Education sets up an entire STEM lab equipped with all the latest tools and products required for learning, which include kits on Science, Technology, Engineering, , Mathematics, Robotic Products, Kits and Accessories, Sensors, Hardware tools, 3D Printer, 3D Pen, Drones, Arduino, Raspberry Pi, LEGO Kits, Soldering Equipment, Advance sensors like Accelerometers, Gyro, Heart Beat Sensor, Touch Sensor, Solar Panels, Virtual Reality Headsets, Mojo Bricks and many more.



Arduino



Robotix/ DIY Kits



Lego



Raspberry Pi



Sensors



Hardware Tools



Drones

## Curriculum:

Boston USA Education will provide Tailor made curriculum mapped to the School Syllabus, Lesson Planner, Teacher Manuals, Student Handbooks & Videos. Cloud based learning will be offered to students & teachers which they can access online 24x7.



Tailor Made Curriculum



Lesson Planner



Teacher Manual



Student Handbook



Online Videos

## Training:

Boston USA Education also offers Teacher Training Program (TTP) and Student Training Program (STP). Hand holding support will be given to the teachers for implementing STEM education. Also will help and support in hiring & training of Dedicated Innovation Engineer for the purpose of maintaining lab, mentoring students & guiding them to make innovative projects.



Teacher Training Program (TTP)



Student Training Program (STP)

## SAMPLE LAB LAYOUT



### Infrastructure Requirement:

- A room size of 400-600 sq feet.
- 4-5 Work Tables of size 5ft x 2.5ft.
- 25-30 Student Stools/Chairs.
- Book Shelves, Almira, Robotics Model Showcase Cabinet, Storage Racks, Electricity Plugs on Work Tables, Extension Boards.
- Classroom White Board, Projector, Projector Screen and Speakers.
- Notice Board.

### Indication as per Image

1. Storage Cabinets
2. Tool Hanging Boards
3. Soldering, Tools, Drill Press Station
4. 3D Printing Area
5. Computer Section
6. Free Space for Practice/ Competition
7. Class Room, Practical Section
8. Faculty Table
9. Fire Extinguisher
10. Projector, White Board
11. Model Showcase Cabinet

### Check Points

- Power sockets on the walls should be there beside student tables, for getting power supply to tables with the help of extension boards. Power supply is needed on student tables for Robots and Soldering Purpose.
- Power Sockets above the computer table should also be present for connecting to equipment on table.
- 3-4 Storage Cabinets for product storage. Equipment will be kept in plastic boxes.
- Pin Boards should be there for displaying posters and student ch.