Aim & Objective of ATAL TINKERING LAB

The Atal Innovation Mission's (AIM) key initiative of establishing a network of Atal Tinkering Laboratories (ATL) has a vision to 'Cultivate one Million children in India as Neoteric Innovators'. With the objective of creating scientific temper as well as cultivating the spirit of innovation and creativity among young minds, ATL provides an enabling environment for students to innovate through a do-it-yourself approach. SBOA Matriculation &Hr. Sec. School, Coimbatore was selected by AIM from 13,000 schools that applied for the same across India.

The fully furnished ATL Lab is equipped with sophisticated machines and instruments such as 3D Printers and Microcontrollers for honing the technical and innovation related skills of students. They will help to bring theoretical concepts to life and inculcate a range of skills including those pertaining to design, computational thinking and physical computing.

The lab has scheduled to organize regular activities like ATL classes in STEAM (Science, Technology, Engineering, Art and Math), workshops for students and teachers, intra and inter school competitions, guest lectures, mentoring sessions, summer camps, etc.

Activities & Achievements

Unlock Tinkering Contest- An Interschool Virtual Tinkering contest for 6th to 8th standard students.
- Students enjoy the practical learning in ATL lab by doing their own circuitry.
- Tinker CAD platform has explained to students via recorded videos.
- Students were given a task of constructing a circuit using BEAK components and its simulation.
- Around 723 students who learned this online tinkering.
1. ASWITHAA.S.P VI-C,
2. GNANAMUTHUKUMARAN VI-B,
3. MAHANTESH BALAJI VII-B and
4. CHOWTHRI.P VIII-E
have constructed and simulated the circuit successfully & won the contest with high speed and accuracy.

SBOA MATRICULATION & HIGHER SECONDARY SCHOOL,
(Managed by SBIOA Educational Trust, Chennai-101.)
CHOKKAMPUDUR, COIMBATORE – 641039.
Atal Tinkering Lab
plezmo APP CODES
PLEZMO APP
Development Competition
Basic Level
for class 6 to 8 students

- **Sashwanth (VI – C) - 1st Prize**
- **Vikasini (VI – E) - 2nd Prize**
- **Balamurugan (VI-A) & Sameera Maharoof – 3rd Prize**
- **Gnanamuthukumaran (VII – B) - Consolation Prize**

VIRTUAL ATAL CLASSES

- Physical Computing
- App Development
- Design Thinking
- Computational Thinking
- Cyber Security
- Internet of Things

Aim to Innovate