

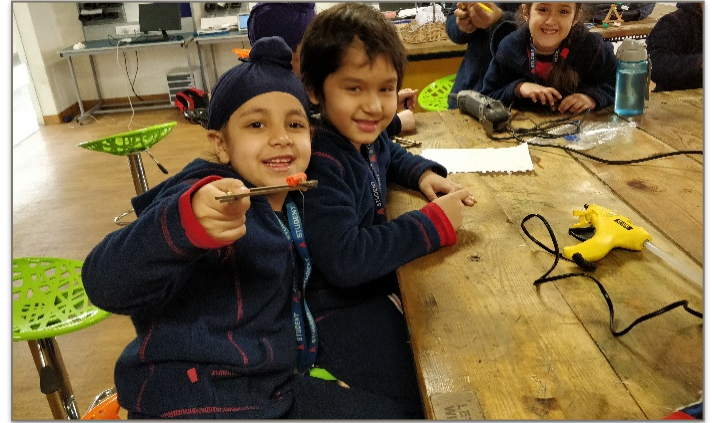
MakersBox December

Let's look at everything students made in the Maker Space in December

Grade 1, Make your own Car!

Potential & Kinetic Energy, Science

The spilled over activity from the month of November. Students finally completed their toy cars using just a rubber band! What better way to learn about potential and kinetic energy.



Grade 2, Kaleidoscope & mapping India

Light, Science; Humanities

Students completed their Kaleidoscope and began working on a Humanities project- Making a Map of India marking the neighbouring countries of India with the help of LED's.



Grade 3, It's Windy here...

Wind Energy, Science

Students explored renewable sources of energy and are now learning how to harness wind energy to generate electricity. Beginning with the structure of their wind turbines.



Grade 4, Attract or Repel?

Magnets, Sound, Science

Students opened up a DC motor to understand how magnets work and also carried out an exercise on magnetic levitation.



Grade 5, Lift it away!

Hydraulics, Science

Another spill over activity from the last month, students continued working on their Hydraulic Lift Cranes and a Heavy Weight Challenge where they submitted their ideas and prototypes for a weight carrying machine.

Grade 6, Faraday Motor

Electricity and Magnetism, Science

Students are working on building a working model of a Faraday Motor and understand Faraday's principles and its applications.



Enrichment Program

As a part of their Enrichment Activity, students continued to work on learning 3D Modelling and are now working on a complex lamp shade design.



World Studies, Taoism and Christianity*

A collective activity for the month of November and December for the faith: Christianity and Taoism- both Junior and Senior students are creating a Story Telling device- an activity that covers Rapid Prototyping, Printing, Designing and Programming to come together.

Primary Grade are exploring different prototyping tools to build the outside casing for housing their Story Telling Device and Secondary Grade are working in Teams- Planning, Coding and Aesthetic to put together their device.

*Note: The images from the progress of the activity in December.

Primary Grade: Designing the Casing

Students are working with the Laser Etcher Machine- a fabrication tool, to design an outside casing for the story telling device. Here is a look at their December Progress.



Secondary Grade: Plan, Design and Code

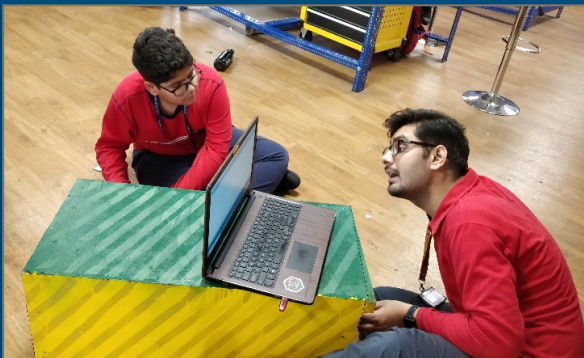
Design Process

Students worked on the casing prepared by Primary Students and started putting their Story Dispenser Machine in place.



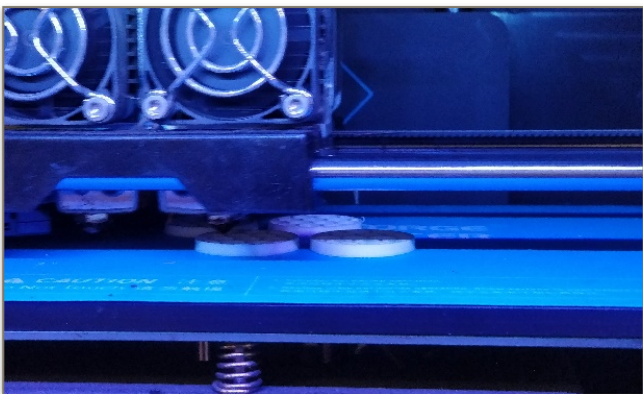
Final Testing

Students tested out their Story Dispensing machine and installed into place!



F1 in Schools

Students worked hard to prepare for their regional race event- prototyping their car, making their business plans and trying to get funders. Here are some images for the same:



Disclaimer: Safety is priority at MakersBox. We urge all our students to wear proper safety gear before working in the lab. Sometimes, students take out their safety gear to get their pictures clicked.