

MakersBox November

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

Grade 1, Make your own Car!

Potential & Kinetic Energy, Science

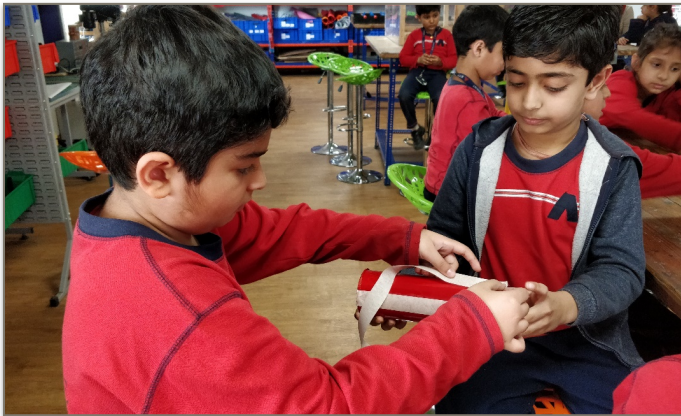
Can you make a car that runs with the energy of a rubber band? Our year 1 students are doing exactly that. Making their own toy cars and exploring potential and kinetic energy.



Grade 2, Patterns, Reflections, Art.

Light, Science

Exploring and Understanding light with the help of an age-old and beloved project- a kaleidoscope. Students are building their own and learning about patterns and reflection of light.



Grade 3, Vroom Vroom Vroom...

Energy & Motion, Science

Students are building two types of car- one powered by rubber band, much like what Year 1 is doing and the other one using DC motors. Students are trying to understand- energy, conversion of energy and motion with this simple but fun exercise.



Grade 4, Hear Hear

Sound, Science

How does sound travel? Does it need a medium? Students began with the simple Paper-Phone activity and then worked with little bits kits to build speakers and amplifiers to understand the phenomenon of sound better.



Grade 5, Lift it away!

Hydraulics, Science

Students are on their way to build a Hydraulic Lift Crane, but first to understand how it works, students observed and worked with a Car Jack.

Enrichment Program

As a part of their Enrichment Activity, students worked on Home Automation- how to control your home appliances over Bluetooth, next on the agenda- Designing in 3D using Fusion 360



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.

Still a work in progress, but soon there will be a device, which with a press of a button will give you a story to read and share.

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. Next would be to help senior students put it all together.



Secondary Grade: Plan, Design and Code

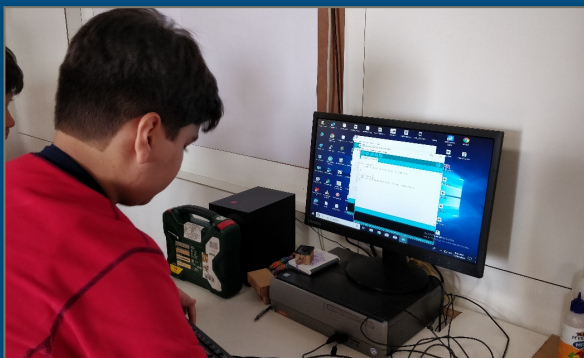
Planning Team

No project can begin with a blueprint of how it is to be done. Students started this one similarly, by noting and organising their thoughts on their planning sheets.



Coding Team

A storytelling device which is programmed to give you a story at a press of a button! That won't be possible without the coding team- writing algorithms and logics and testing the same.



Diwali Carnival @NFC Club

Students put up 3D Printing Stalls and talked to the visitors about their school, the maker space and the F1 Design Challenge. Here is a glimpse of what went in the carnival.



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.