

MakersBox -May 2019

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

Year 1 and 2

Upcycling Innovations, Science

Students worked in teams to create lamps out of old glass bottles using their electricity skills and LED Strips. These lamps are not only recycled, but low power consumption devices reducing the overall Carbon Footprint



Year 3 and 4

Upcycling innovations & Tool implementation, Science

Continuing from last month, students finished the lamp shells and in the process, they were introduced to new tools such as Dremel and Dremel Workstation

Year 5

Innovative Technologies, Science

While continuing the recycling project, students finished their lamps by painting and engraving techniques while understanding the concept of power consumption, light refraction and material density



World Studies, General Elections 2019

As Lok Sabha Elections were scheduled to take place on 12th May 2019, students took over the biggest event of democracy and celebrated it with Makerslab in their own way.

Students of Year 1 & 2 made ballot boxes using the rapid prototyping technology from laser machine and also designed stamps of different political parties.

Students of Year 3, 4 & 5 did a lot of research over elections and collected data on all the Prime Ministers elected since 1947. After which they used their woodworking skills to create a beautiful infographic that contains all the data about all the Prime Ministers. Year 5 also created a scratch animation on voting process and how it changed across the years

Students of Year 6, 7, & 8 worked together in order to create a Prototype of EVM: Electronic Voting Machine

KEY STAGE 1 & 2

Year 1 & 2 using the rapid prototyping technologies and their tool skills to make a paper ballot and rubber stamps



Year 3, 4 & 5 using their woodworking skills to create the Prime Ministers Infographic and finishing the stamps prepared by Year 1 & 2. Also using SCRATCH Coding to develop an animation about voting process.



KEY STAGE 3, 4 & 5

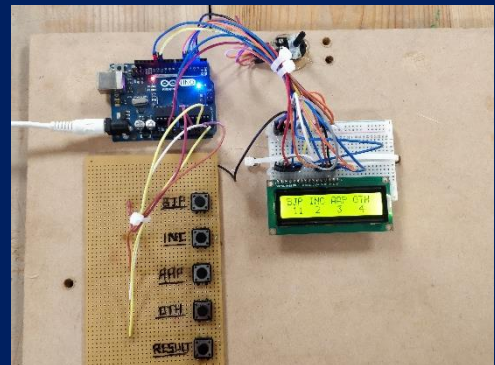
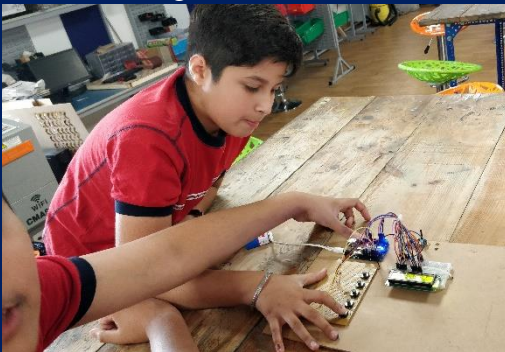
IDEATION AND DESIGN

Students were divided in teams for circuit building and coding. They started off by collecting data and preparing a bill of materials followed by a discussion on Algorithm of EVM
After that students designed the circuit using techniques such as soldering and hand tools



CREATION AND TESTING

The programming team put together algorithm for EVM and added an LCD Display for a futuristic touch. Making the machine more like a combination of EVM and VVPAT.



Enrichment Program

During May, Students finished their exploration of power tools and created a penstand using 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.