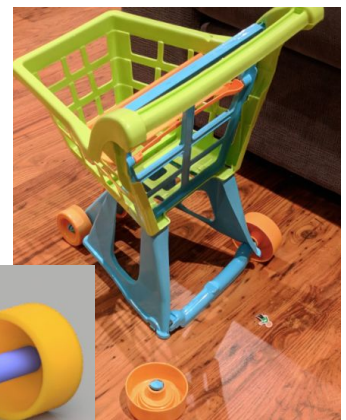
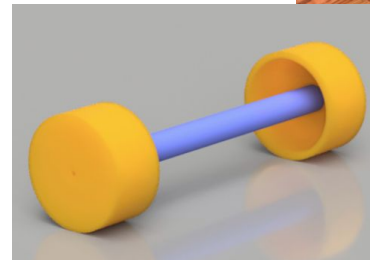
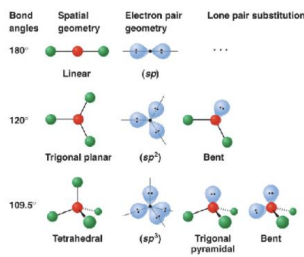


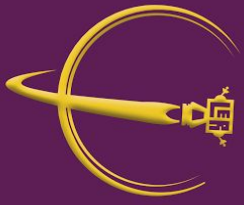
A New Collaborative Workspace at LEP: **EDIT Lab!**

Lo-Ellen Park Secondary School has designed a new interdisciplinary studies class to encourage students to get involved in STEM and to help prepare students for engineering, design and technical studies programs in university, college and the workplace. The course integrates robotics in a project-based environment where grade 11 and 12 students design and build their creations. This new workspace is called “The EDIT Lab” (EDIT = Engineering, Design + Innovative Technology).

Students in the class are helping to outfit the EDIT Lab with their first design projects, while taking the main engineering principles into consideration. Students in the class have learned about the engineering design process in order come up with the most effective design solution to their project need. Students have planned for the materials, budget, time, etc. required to finish their project. In this class, students also have the opportunity to handle a variety of tools and equipment used in the field of engineering and manufacturing to complete their design projects. The newly designed room for this class has not been publically displayed outside of Lo-Ellen yet. However, there will be an official unveiling event for the EDIT Lab during the month of December. **Please stop by the school on December 20th to check it out!**

Some of the current 3D design and printing projects students have been working on are displayed in the rendered images below (Musky Lure, Chemistry Models , Shopping Cart Axle):





FIRST Robotics “Power Up” Teaser Video



Lo-Ellen Park will be competing in the FIRST Robotics “Power Up” competition, starting this January. Imagination and innovation will come together in this exciting and rigorous competition. More than 90,000 students, making up 3,600 teams, from all around the globe will be competing in FIRST Power Up! Check out the teaser video here:

https://www.youtube.com/watch?v=MM_JWAON6PI&disable_polymer=true

Grade 12 Engineering Class visits Hatch

The Grade 12 Engineering, Design and Innovation class, along with robotics team members, had the opportunity to visit the Hatch engineering and design offices in Sudbury. Various employees from Hatch shared a drone project with students and teachers from Lo-Ellen Park. The drone was used to collect tailing pond samples remotely using a drone and the process was shared via video documentation. They also displayed the potential for drones as mapping tools by using a series of pictures collected to create digital 3D maps of various in Sudbury such as the Big Nickel at Dynamic Earth. The map was used to help project a video and light show on the Big Nickel over the summer for Canada 150 celebrations. Check it out here:

<https://sciencenorth.ca/dynamic-earth/bignickelshow/>

HATCH

