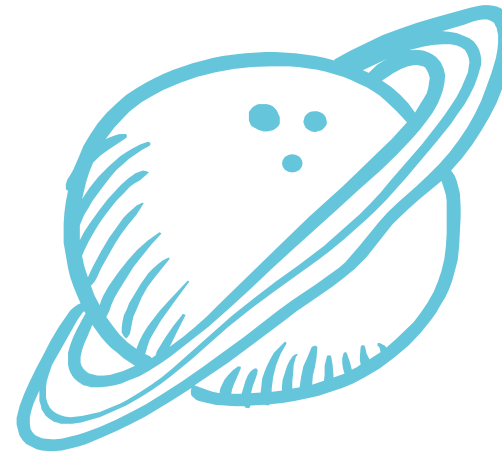
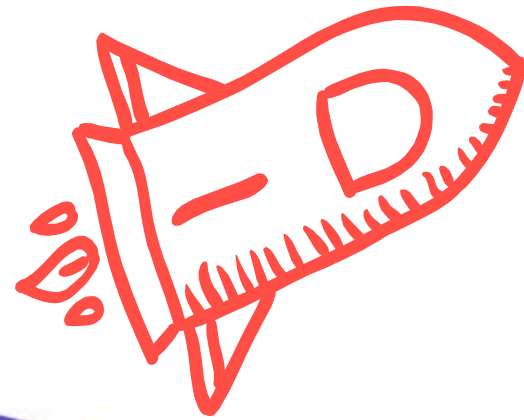




Beachmont Veterans Memorial School

Service-Learning

Cornerstone of Engineering GE 1501/1502



Throughout this semester, students in our Cornerstone of Engineering course volunteered at Beachmont Veterans Memorial School.



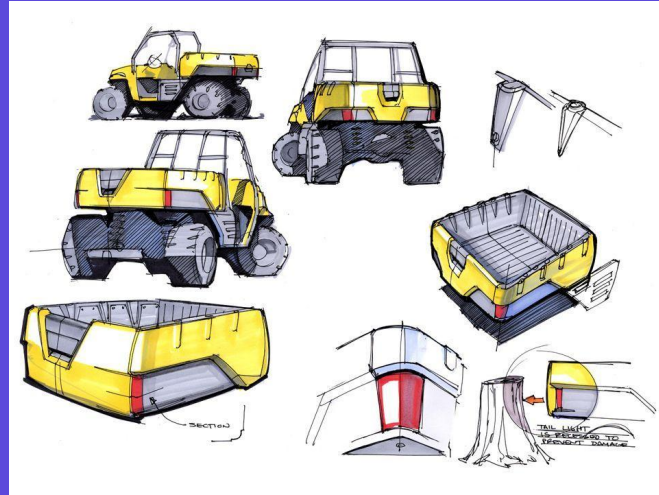
Our Cornerstone students served as leaders and workshop facilitators for their after-school STEAM club for 4th-5th grade students.



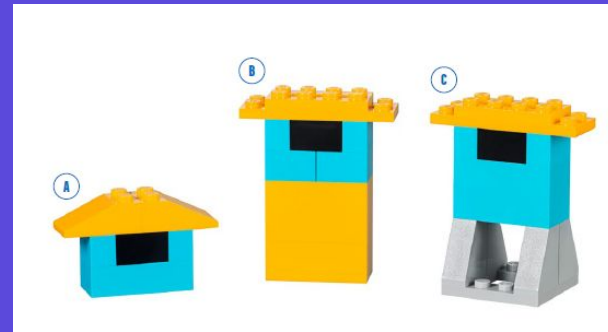
Students led STEAM Club activities about...



Hydroponics!



Graphical Communication!



Building Earthquake Resistant Structures!



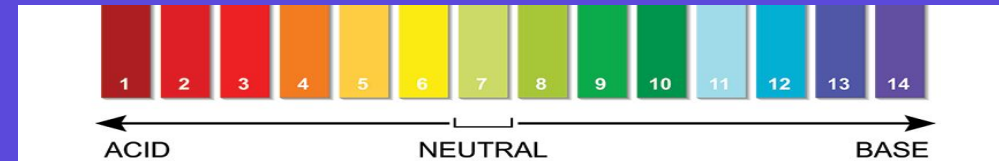
Buoyancy!



...and...



pH, Acids, and Bases!



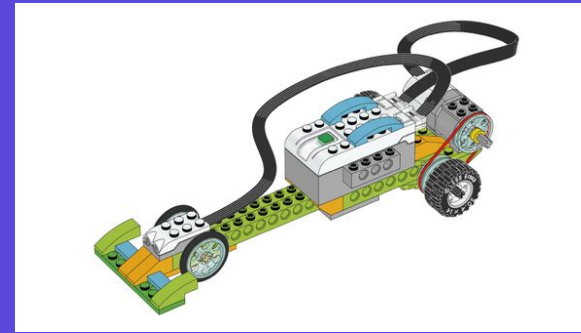
More activities:



Air Resistance



Programming



Speed and racecars



Density and Lava Lamps



Seed Germination



Student creations:



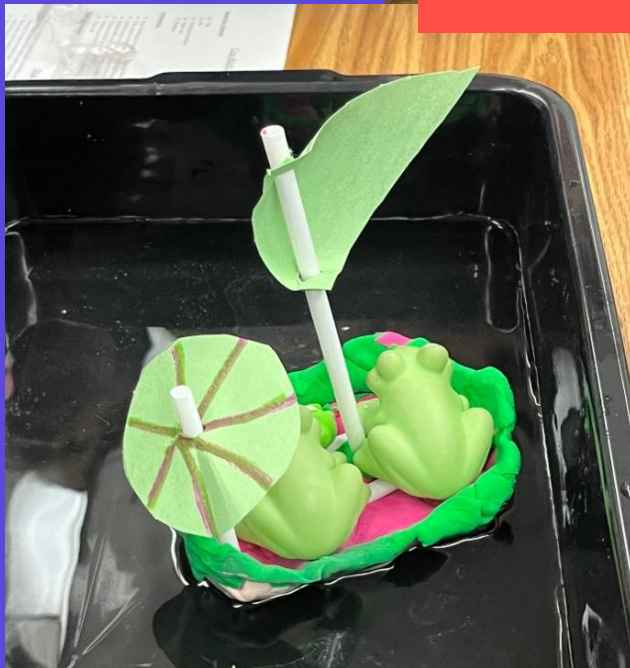
Robots



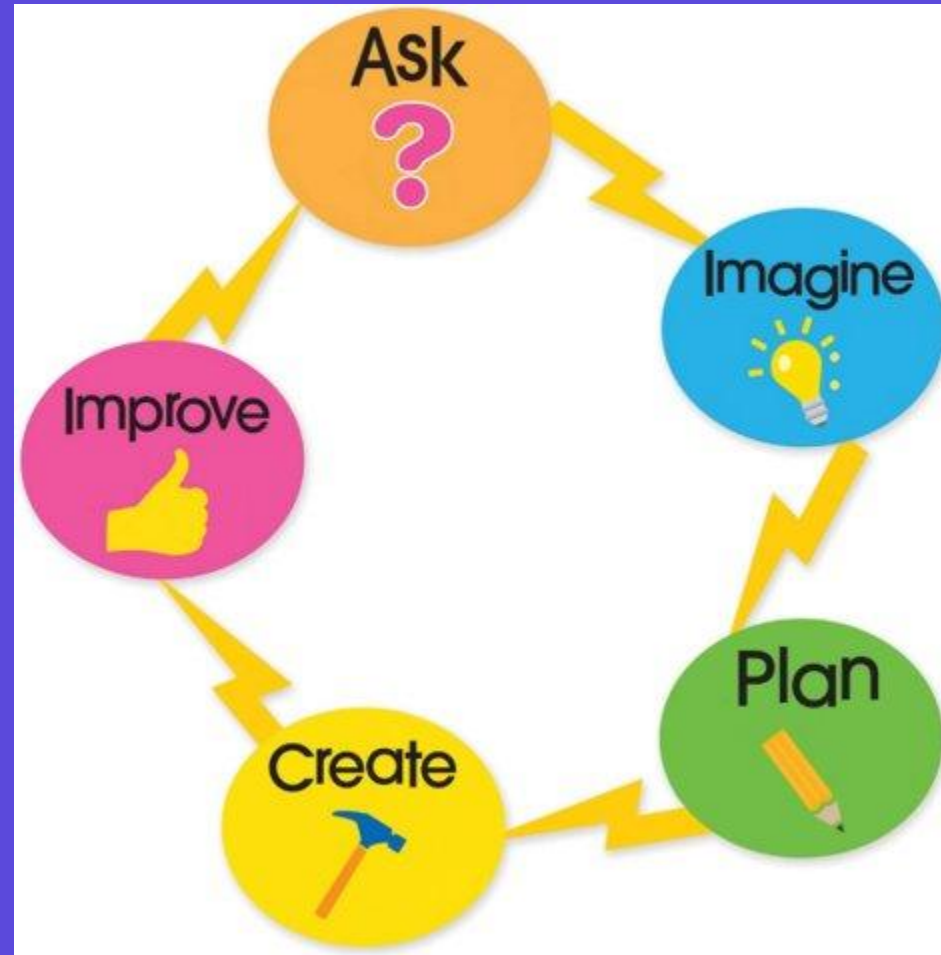
Slime



Clay Boats



Through each of these activities, the Beachmont students not only expanded their knowledge of science and the world around us, but also learned and practiced the engineering design process.



Our Cornerstone of Engineering course culminated in creating an educational museum exhibit for the 3rd-5th graders.



These exhibits were presented at an exposition at Northeastern, and 3rd graders from the Beachmont school were able to visit and interact with them.



Service-learning was instrumental in creating these final projects. The Northeastern students learned how to create an educational and entertaining experience for their target audience through their service-learning experience.



“Revere Beach Roll” Exhibit



Encanto-inspired “Madrigal Vaccine Garden” Exhibit

Exhibits included lots of influences from the Beachmont kids, such as favorite characters and even an exhibit based on Revere Beach!

