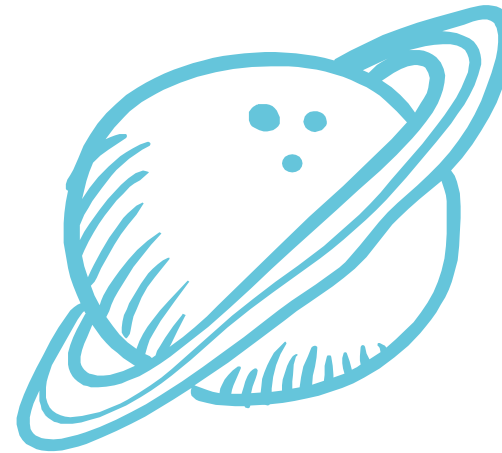
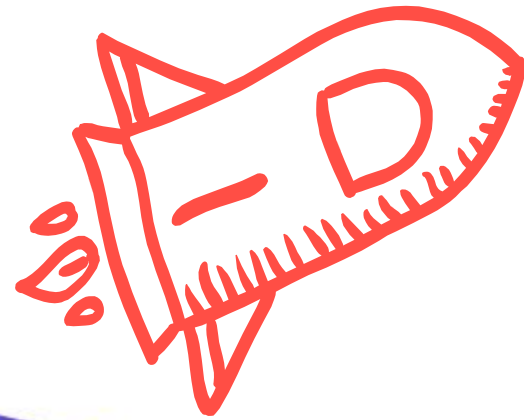




STEAM x Service-Learning

Cornerstone of Engineering GE 1501/1502, Fall 2022



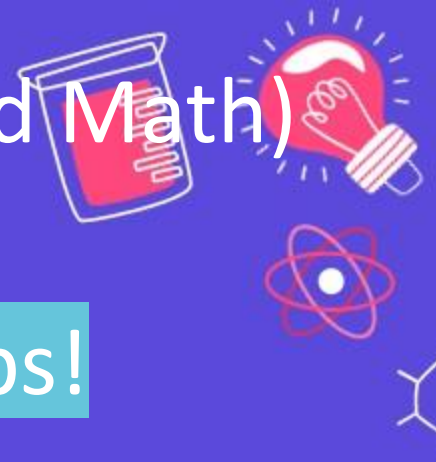
Throughout this semester, students in our Cornerstone of Engineering course worked with our community partner, Beacon Communities. Beacon Communities is an affordable housing development that offers a variety of wellness, educational, social, and supportive services.



Our Cornerstone students served as leaders and workshop facilitators for after-school STEAM activities. They volunteered at 2 sites near campus to provide fun, hands-on learning experiences.



STEAM (Science, Technology, Engineering, Art, and Math) activities included:



Fruit Batteries!

Lava Lamps!

Marshmallow
Toothpick Bridges!

Water
Filtration!

Hexbug City!

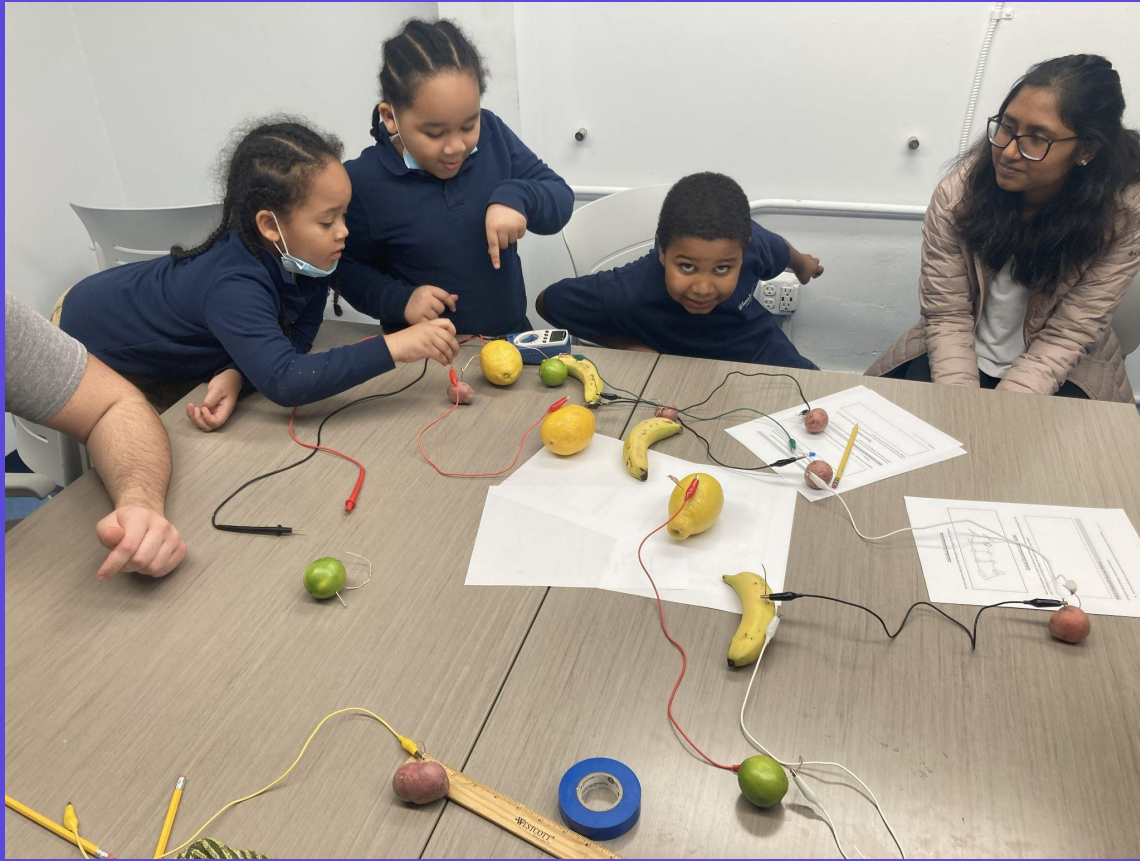
Graphical
Communication!

Moon Rovers!

Pom Pom
Launchers!

Magnetic
Slime!





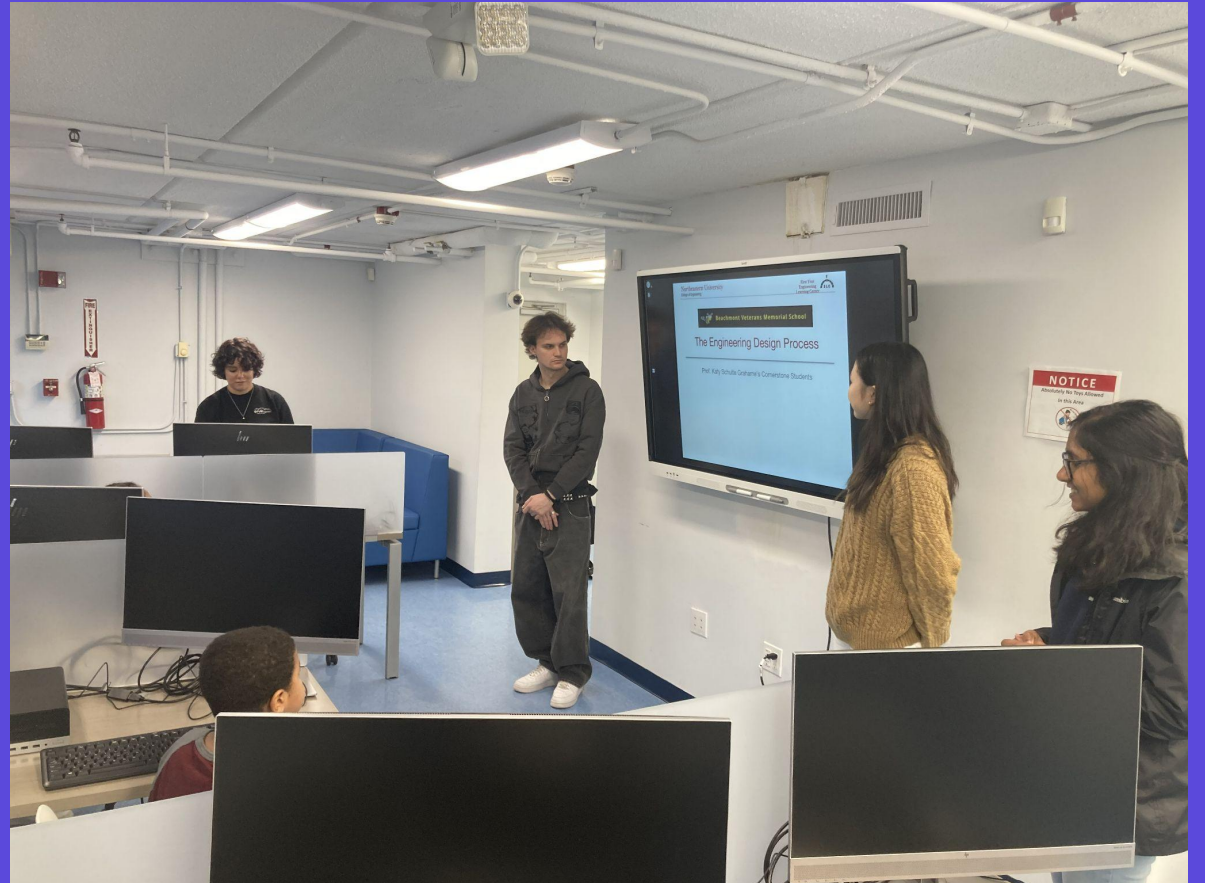
Fruit Batteries



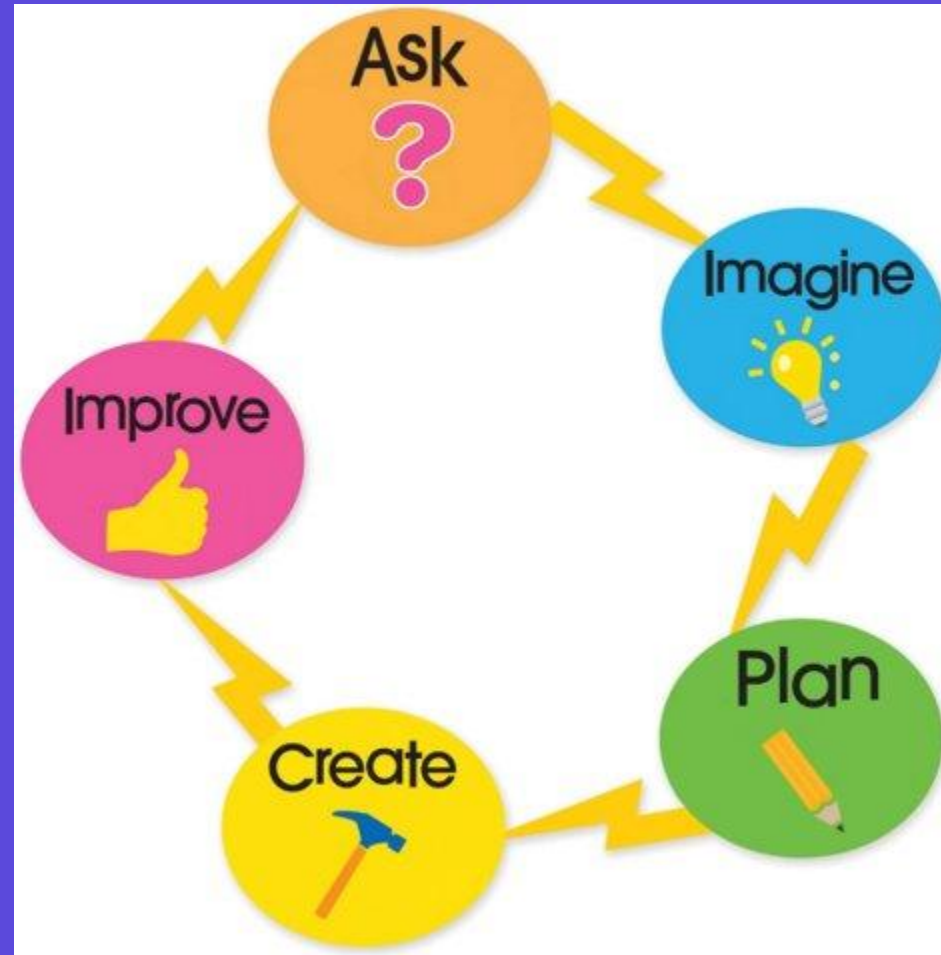


Hexbug City

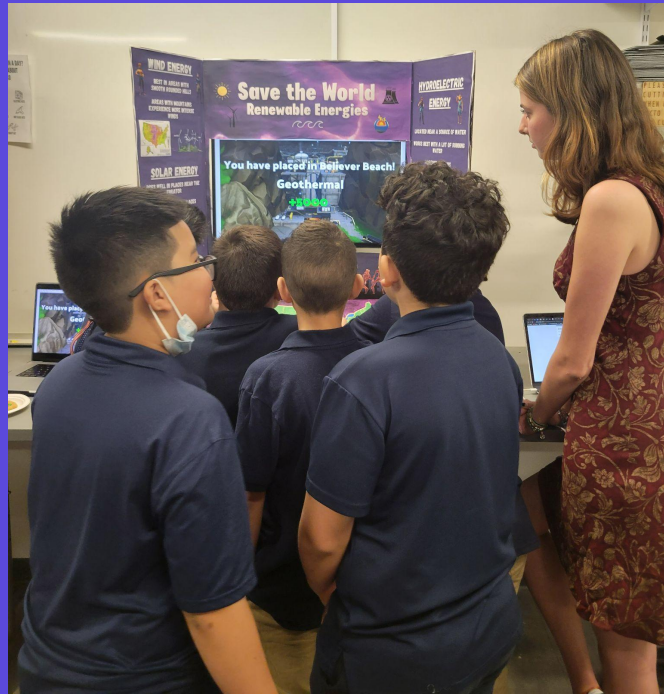




Through each of these activities, the kids not only expanded their knowledge of science and the world around us, but also learned and practiced the engineering design process.



Our Cornerstone of Engineering course culminated in designing an educational museum exhibit for a target audience of 3rd-5th graders.



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 by working with the kids at Beacon communities.



Cornerstone Expo

