

Science

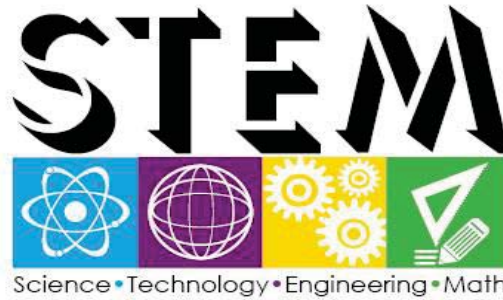
Superball Design Challenge

Students are challenged to develop the best combination of materials to make the highest bouncing superball. Students modify their formula after testing to make a improved product.

This and other design challenges, connected to the NJSLs and NGSS, are available for your classes. Please contact your school's STEM Specialist.



Step Into



Mathematics

DESMOS

Students use the DESMOS app as a visual to develop a formula and simplify the width of a parking space. Students role model a civil engineer by designing a parking lot and a boat dock using construction paper, masking tape and their formula.

Middle School STEM Specialists

Bayshore
JoAnn Layton
X 2610

Thompson
Jeanette VanFechtman
X 8776

Thorne
Kristen Parry
X 7785

Thank an Eagle Scout!

For his community service project, former Bayshore student Sean Doyle built and donated a working replica of the obstacle course to be used by students for practice in the SeaPerch competition. Congratulations and THANK YOU Sean!



STEM Club

The Sea Perch teams are busy building their underwater Rovers. They are assembling the frame, waxing the motors and soldering the circuit boards. The groups will begin testing their designs at the Red Bank YMCA in early February. Additional activities taking place in STEM club include MaKeyMaKey, Rubik's Cubes, Mbots, Tinkercad and several design challenge options.

Silverscreen: "Hidden Figures"

A PG STEM movie: Based on a true story, a team of African-American women provide NASA with important mathematical data needed to launch the program's first successful space missions.



Engineering Resources Spotlight

40 Different Engineering Degrees
<http://typesofengineeringdegrees.org/>

Tinkercad 3D Design:
<https://www.tinkercad.com/>

