

Science

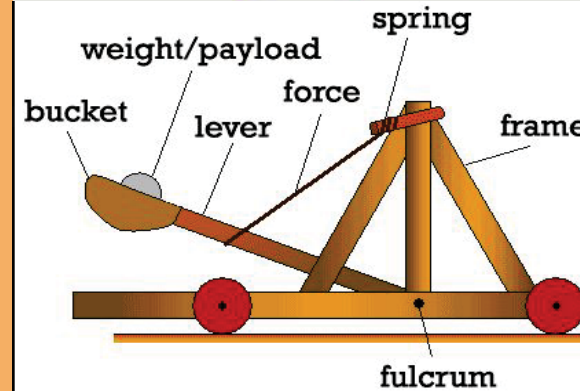
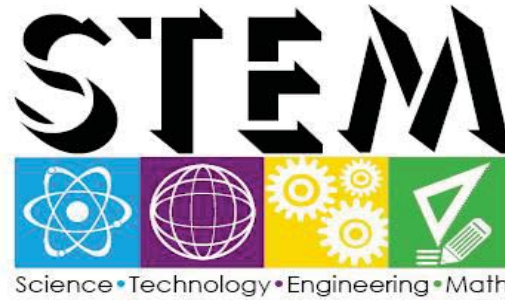
Catapults

Students build a catapult out of simple classroom materials by following specific directions. Students use their catapults to launch materials while recording the distance and time. Speed is calculated to realize the relationship between force and motion.

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

Masterpieces in Math

Students use a 100-square grid and at least 3 different colors to create an artful “masterpiece”. Students calculate the fraction, the decimal, and the percent of each color used in their masterpiece. Students can visualize the relationship between fractions, decimals, and percents.

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/>

