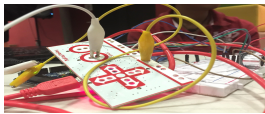


Science

Operation Game

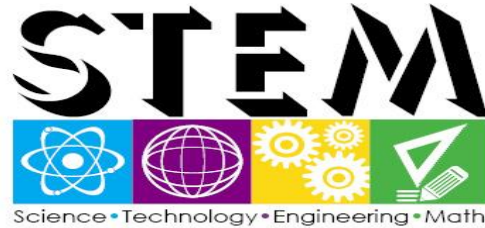
Students use simple classroom materials, including a shoebox and aluminum foil, to build their own version of the classic Operation Game. The game helps students have a better understanding of sound waves through the use of Makey Makey. Students use Makey Makey and Scratch to create a working Operation Game that buzzes when the sides are touched.



Design challenges, connected to the NJSLs are available for your classes. Please contact your school's STEM Specialist.

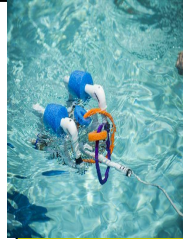


Step Into



STEM Club

The Bayshore, Thompson and Thorne Sea Perch teams took part in the annual underwater robotics competition at Rowan University on Saturday, March 24th. Their determination, teamwork and problem solving skills were amazing!



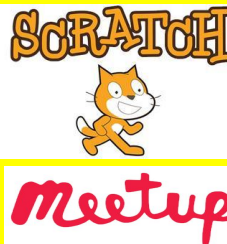
STEM Stories

Reading books is an important component of an interdisciplinary approach to developing literacy skills and learning STEM content. This is a link to recently published books for introducing STEM topics and initiating discussions and STEM activities.

<https://www.literacyworldwide.org/blog/literacy-daily/2017/03/27/stem-stories>

Scratch Educator Meetup

High School North will be hosting monthly Scratch Educator meetups for teachers looking to showcase their skills or for anyone looking to learn more about coding with Scratch. The next meeting is Tuesday, May 1st at 4:00.



Engineering Resources Spotlight

<http://www.dreambox.com/blog/girls-math-more-stem-women?scrllybrkr>

<https://www.edutopia.org/article/STEM-resources-downloads>

<http://teachers.egfi-k12.org/category/lessons/grades-6-8-lessons/>



Mathematics

Origami Boats

Students build origami boats using only one sheet of paper. How do we calculate the surface area and perimeter of this new 3D-shaped figure? Students use graph paper, scissors, and rulers to set the paper for calculations. Students use the Pythagorean Theorem to calculate the perimeter of their boat.



Middle School STEM Specialists

Bayshore
Jason Clarkson
X 2610

Thompson
Jeanette VanFechtman
X 8776

Thorne
Kristen Parry
X 7741