

Science

Photosynthesis

Students design scientific investigations to provide evidence of the process of the photosynthesis. Two set ups are created. One is placed in sunlight and one is in the dark for 48 hours. Designs are observed for plant growth and the presence of oxygen.

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



Step Into

STEM



Science • Technology • Engineering • Math



Invent a Self-Driving Vehicle

Mathematics

Hockey Scholars

Teachers, in collaboration with The New Jersey Devils Hockey Association, work with students through various online lessons. The lessons are presented in a fun, interactive way, that lets students apply their math skills to the game of ice hockey.

Middle School STEM Specialists

Bayshore
JoAnn Layton
X 2610

Thompson
Jeanette VanFechtman
X 8776

Thorne
Kristen Parry
X 7785

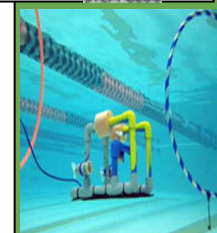
Little Bits Student Sets

Little Bits Student Sets have been ordered for the middle schools. These sets can be used for easy circuit building or in depth invention purposes. Additional uses include constructing a security device and creating a chain reaction contraption.

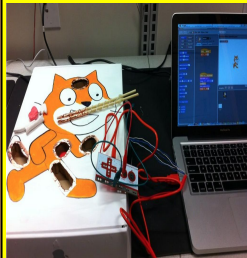


STEM Club

The Sea Perch teams competed in the underwater robotics challenge on Saturday, March 25th. The students maneuvered through and obstacle course and manipulated polypropylene rings and PVC cubes to hang on a ledge. Great job by all!



MaKey, MaKey Operation Game



Students work in groups to design an operation game using a shoebox, aluminum foil, a MaKey, MaKey kit and Scratch Project Editor. Creativity, cooperation and programming skills are utilized to add a new twist to the classic game of operation.

Engineering Resources Spotlight

Bloomsburg University - STEM Resources for Teachers
<http://www.bloomu.edu/stem-resources?scrybrkr>
Environmental Restoration - Grasses in Classes
<http://www.littoralsociety.org/grasses-in-classes.html>
Tinker Crate- Hands on Experiments
<http://www.tinker.kiwicrate.com>

