

Science

Superball Ratios

Students work collaboratively to create the ideal Superball compound using a variety of materials such as borax, cornstarch and white glue. Students test their design and modify the ingredients to improve the outcome.

Molecular kits are also used to construct the Superball compound using color coded elements to represent the various parts.



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



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Step Into

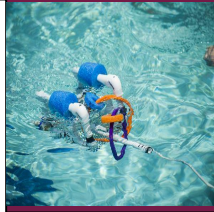
STEM



Science • Technology • Engineering • Math

STEM Club

With only 2 months left until the SeaPerch Competition at Rowan University, our teams at all 3 middle schools are hard at work completing their underwater rovers. The competition date is Saturday, March 24, 2018.



Makers Day is March 10th!

The 4th annual New Jersey Makers Day is Saturday, March 10, 2018. Our own Middletown Public Library will be hosting events throughout the day. See the library's website for the schedule of events.

<http://www.mtpl.org>



LEGO WeDo 2.0

We are excited to be working with the new LEGO wedo 2.0 kits. Students will be using them to make connections between the virtual world and real world by using the LEGO sensors and writing their own code using Scratch.



Engineering Resources Spotlight

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

<https://www.stemfinity.com/Free-STEM-Education-Resources>

<https://www.exploratorium.edu/>



Mathematics

Parking Lot Design in DESMOS

Students use DESMOS Central Park to develop a general formula to create equal width parking spaces in a parking lot. Students use the formula to construct a parking lot and boat dock using construction paper and masking tape. Upon completion, students test for accuracy with toy cars and water devices.



Middle School STEM Specialists

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