

Science

Spaghetti Tower Design Challenge

Students are challenged to design and build a structure out of spaghetti, marshmallows, and paper, that can support a weight of 50g.

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

STEM



Science • Technology • Engineering • Math

Google



Go places a school bus can't

Mathematics

Scientific Notation and the Solar System

Students use scientific notation as they create a scale model of the solar system in Google maps. This information is then used to calculate additional planetary and space data.

Middle School STEM Specialists

Bayshore
JoAnn Layton
X 2610

Thompson
Jeanette van Fechtmann
X 8776

Thorne
Kristen Parry
X 7785



Family Engineering Night

This year the district is hosting three Family Engineering Nights in late October / early November. In addition to experiencing virtual reality through a *Google Cardboard* demonstration, a zip line challenge, a tower building challenge, and a circuit challenge are included each evening.

Google Expeditions



Oh the places we'll go--the things we'll see! Bring your students to the moon, to Mount Everest, to the Grand Canyon, to the Museum of Natural History, to the Great Barrier Reef, or to the jungles of Borneo--without leaving your classroom! Lesson plans are being developed to use *Google Expeditions* in your classes!

STEM Club

The middle school STEM clubs this year will consist of one or more competition teams as well as non-competition groups who will participate in a variety of STEM activities throughout the year including *MaKey*, *MaKey* and *Tinkercad*.

The *SeaPerch* underwater robotics competition teams will be competing again this spring at Rowan University. The date is Saturday, March 25, 2017.

Engineering Resources Spotlight

The Drawing Process of Engineering:

<http://encyclopedia2.thefreedictionary.com/Engineering+drawing>

Encouraging Creativity and Inventions in the Classroom:

<https://newlearningtimes.com/cms/article/1917>

