

Science

Newspaper Table Design Challenge

Students are challenged to design the tallest and sturdiest newspaper table they can using limited quantities of cardboard, paper and masking tape.

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

Scale Models and Tinkercad

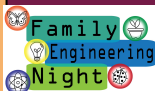
Students are introduced to scale models and 3D design using *Tinkercad*. They are challenged to construct scale models using K'Nex building pieces.

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>

