SWENext Newsletter 9-12 – February 2017

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Engineers Week is Going to be BIG this Year

DiscoverE, is releasing ***Dream Big: Engineering Our World***, this month during Engineers' Week! This film takes an in depth look at what it takes to create some of our favorite inventions from an engineering perspective. **Click here** to find a theatre showing the film near you or visit the **official *Dream Big* site**.
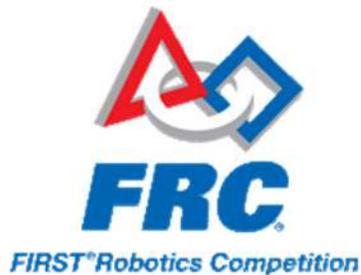
February Social Media Challenge

National Clean out Your Computer Day takes place every year on the second Monday of February. We want to see all the goofy photos you have taken while working on a STEM project! Share pictures from the late nights working on a FIRST robot, your first science fair, or other STEM related projects you've come across while cleaning out your computer. Post your photo on Instagram and tag @swetalk in the description. Don't forget to use the hashtag #SWEOldieButGoodieChallenge to be entered in the contest. Winners will receive an awesome SWENext Prize Pack!

Girls Who Code 2017 Summer Immersion Programs Now Open

Are you looking for a summer opportunity that will expose you to tech jobs, teach you new computer skills, and allow you to meet students with the same interests as you? The **Girls Who Code Summer Immersion Program** is now accepting applications. This program is offered in 12 major cities across the country. To learn more about this opportunity, **view the camp flyer** or **visit the website for more information**.

FIRST Tech Challenge

FIRST Robotics is now accepting registration from teams looking to take part in this year's FIRST Tech Challenge. FIRST Tech Challenge is a themed robot building competition for students in grades 7-12. This is a great off-season activity that is sure to keep your skills sharp. To learn more about the Tech Challenge **visit the competition webpage**.

Engineering Slam Poetry

Engineering is more than just a bunch of math and physics. Watch the video below to see how some engineers are leveraging all of their creative power to create a beautiful future.

Check out the Slam Poetry.

Science and Engineering Apprenticeship Program (SEAP)

The Science and Engineering Apprentice Program (SEAP) matches practicing Department of Defense (DoD) scientists with talented high school students, creating a direct mentor student relationship that provides students with training that is unparalleled at most high schools. SEAP participants receive firsthand research experience and exposure to DoD laboratories. SEAP fosters desire in its participants to pursue further training and careers in STEM.

Applications for this apprenticeship are open through March. For more information on this program **visit the AEOP Programs page**.

This Summer Program will be a GEM!

The Gains in the Education of Mathematics and Science (GEMS) program is a collection of Army-sponsored, summer STEM enrichment programs at U.S. Army Research Laboratories. One overarching mission drives this program: to interest fifth- through twelfth-grade students in STEM careers, especially those who might not otherwise consider becoming scientists or engineers.The STEM topics included: astrology, neuroscience, biochemistry, robotics, cyber security, environmental solutions, and nanotechnology!

The GEMS program is offered at U.S Army laboratories all over the country. Each laboratory hosts a unique program containing different topics and opportunities at each location. Laboratory programs also differ in the degree of technical advancement. For more information regarding the program offered nearest you and other AEOP programs **visit here**.