

swe **NEXT** **Ed**
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SWENextEd Newsletter Vol. 3 – Jan. 2017

Engineer's week (or E-Week) is right around the corner. In this month's issue of SWENextEd you'll find E-resources you can use to celebrate E-Week: a HUGE new E-movie, Discover E-kits, and even local events. Are you using the growth mindset correctly "YET"? The experts reveal the ins-and-outs for building resilience through failure. Don't forget to [share this newsletter with your colleagues](#) and [get in on the conversation](#).

DiscoverE Squishy Circuits in the Classroom



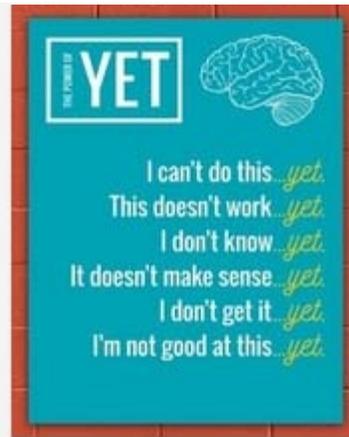
students ranging from K-12 grade.

Game consoles, smartphones and even refrigerators all use electric circuits! Get your students excited about engineering by designing their first electronic device and incorporating it into their favorite artwork. This 30-minute interactive [Squishy Circuits](#) activity provides the relevant terminology, troubleshooting tips, and guidance for adapting the lesson plan for

Power of Yet: Reframe Mistakes

We all make mistakes. But students are often not comfortable with mistakes and some have a very real anxiety about it. Research suggests

we can help students change their mindset, making them more resilient and aware that intelligence requires hard work. To help students when they encounter a mistake, let them know they haven't mastered the subject "yet". [Teach the power of believing that you can improve.](#) Here are a few more [tips on what to say or not say to foster a growth mindset.](#) Make your classroom a low-stakes learning environment and teach your students to try, fail and try again. [Get your YET classroom poster here.](#) Image Source: teacherspayteachers.com



SWE Educator Spotlight



A mechanical engineer-turned-teacher, Mariel Kolker was astounded by how few girls would sign up for engineering classes. "The numbers of women in STEM has barely budged from when I started my career". A Physics and Project Lead the Way Master Teacher, she advocated for and taught Morristown High School's first all-girls engineering class. Today Kolker volunteers as part of the SWE Educator Member workgroup and advocates for empowering teachers with updated messages to advance girls' STEM interests. To find out more, [visit SWE's *All Together* blog.](#)

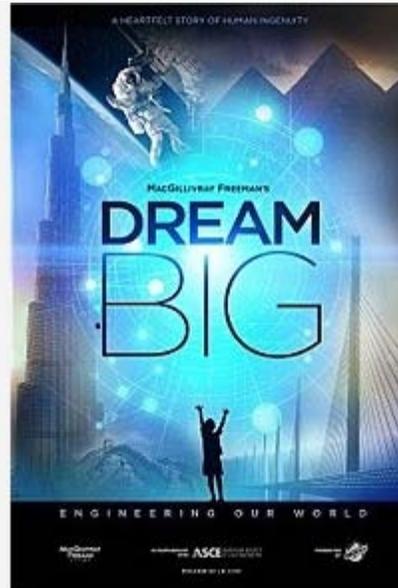
Something BIG is Coming to Engineers Week

E-Week 2017 is February 19 to 25 and a HUGE new film is coming to IMAX® theaters around the world. [***Dream Big: Engineering Our World***](#) is the first film for the giant screen to showcase the creativity and

passion of engineers. [Find a **Dream Big** theater near you.](#)

DiscoverE can also help you find [upcoming E-events](#) and [free E-toolkits](#) you can use to introduce E-Week.

When you talk about engineers, use these [powerful messages](#) to highlight how engineers make a difference in this world by helping others through their curiosity, creativity, and teamwork.



Attend SWENext DesignLab 2017



Don't miss SWENext DesignLab, our new hands-on engineering experience for middle school students, parents, and educators. Download our SWENext DesignLab flyers for [Pittsburgh \(Feb 18\)](#) and [San Jose \(Feb 25\)](#) to share with your students and colleagues. [Learn more and register for SWENext DesignLab.](#) Here is a [full listing of all SWE spring conferences.](#)

[Have your students subscribe to SWENext!](#) SWENexters receive monthly newsletters on the latest SWE events, happenings and fun projects. And don't forget, this resource is for anyone who supports women in engineering. Both girls and boys can join.

Bring an Engineer into Your Classroom

Are you looking to connect your students with engineers? [SWE has over 400 sections](#) in a

city near you that you can contact. Consider becoming a [SWE Educator Member for only \\$20/year](#) to have access to our

membership directory with more than 35,000 members worldwide. Both men and women are welcome to join and start receiving the full benefits of membership including networking, the SWE magazine, *All Together blog*, professional training, grants, and more.



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