

Oct News,
15 Resources,
2025 & Notes



#### this issue

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Outreach Notes P.14

# Upcoming Events:

- 1. Ohio Educator
  Summit/OTEEA
  Conference,
  Wednesday,
  October 22, 2025,
  River Valley High
  School, Caledonia
- 2.ITEEA Fall Forum, November 5 & 6, 2025, Online
- 3.ITEEA Annual Conference, March 25-28, 2026. Virginia Beach

#### OTEEA webinars online archive

OTEEA News, Resources, and Notes <u>online archive</u>

STEM is Elementary <u>Newsletter</u> <u>Subscription And</u> Archived Issues

STEM competitions and more resources spreadsheet

Link to OTEEA membership form

#### The Ohio Technology Summit Next Week

The Ohio Technology and Engineering Educators Association (OTEEA) is hosting the 2025 Ohio Educator Summit on Wednesday, October 22<sup>nd</sup>, in cooperation with River Valley Local Schools at River Valley High School. If you teach classes in nearly any area of technology, you will find a session that applies to your curriculum.

Registration is now open at the Ohio Educator Summit website, click on the Attend tab. OTEEA members get 25% off using the promo code OTEEA.

Mr. Roy Hall, Jr. will be joining us as our keynote speaker at our 2025 event. He is a high-energy keynote speaker with over 15 years of experience helping people ignite purpose, elevate performance, and disrupt mediocrity.

Some selected session topics, more are on the website including several on Al uses.

Practical 3D Design with
TinkerCad and Steve w/ the Blue
Shoe - Andy Limbert,
St. Brendan School

Explanation of a multi-step project using real world measurements, translated to 3-Dimensional design for practical purposes. Students are challenged to use measurement and math principals both physically and virtually. 3D Printing, Laser Engraving and Augmented Reality can all be employed.

**3D Printing, CNC, and other Tools Meet Up** - Paul Post, OTEEA

An opportunity for participants to share what works and questions about technology and engineering education tools with each other.

### What would you do? Challenging Scenarios for Educators -

Travis Stout, River Valley Local Schools

A discussion surrounding tips and tricks for dealing with modern-day educational challenges.
Challenging scenarios will be presented and discussed, with suggested strategies from a high school principal on how to navigate these ever changing times within our educational environment.

# Increasing Student Engagement Through Audio/Visual Projects - Ben Thompson, River Valley Local Schools

You will see practical examples of what it looks like to use a cell phone and a microphone (even earbuds with a built in mic) to allow students to show their knowledge and explore their creativity through recorded media. You will also have time to brainstorm with other instructors about how this strategy could be implemented in your classroom.

### From Pages to Prototypes: Storybook STEAM Across Grades - Aubree Horning, Marlington Local Schools

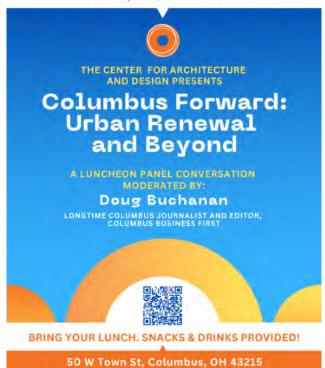
What happens when a picture book becomes a blueprint for invention? Or when a novel inspires an immersive theme park? In this session, we'll explore how stories can launch hands-on STEAM projects across all grade levels—from kindergartners sketching and building playful prototypes to high schoolers designing large-scale experiences rooted in literary units. Together we'll look at ways to merge literacy with creativity, engineering, and design thinking. Expect to leave with a toolkit of ideas and a spark of curiosity, ready to reimagine how reading can lead to making, building, and inventing in your classroom.

#### Canva - The Tool That Can Do Everything! - Kristie Hughes, NWOCA

Have you heard all the buzz over Canva but don't know where to start? This session will showcase how to create visually appealing and engaging classroom materials with Canva. Come to this session to see all the magic.



#### OCTOBER 16, 2025 | 12:00-1:00PM



#### **Register Here**





Register here

#### **Learn & Connect**

**GBH Education** 

Mud scientist? Roller coaster engineer? Certified Ethical Hacker? Science teacher? STEM career opportunities abound way beyond the traditional career paths of even recent years. In this webinar hear a discussion of ways to help your students envision the possibilities and see themselves in a STEM career. A range of educators share strategies and resources they use to inspire students and spark their curiosity about STEM and STEM careers.

Watch webinar

### **Horses Help Us Understand Ourselves**

**Nautilus** 



Everything changed when people first hopped onto horses, at least 4,000 years ago. It's unclear precisely where or when we started to bond with horses, but it kicked off the rapid and widespread circulation of culture, commerce, and language—and war, too. But before this horse-powered revolution could transpire, these hulking animals had to become quick and rideable.

A riding revolution: The genes involved in crucial characteristics such as tamer temperament and impressive speed may have emerged around 5,000 years ago, according to ancient horse DNA. Later on, horse breeding could have introduced selective pressures for certain characteristics, such as height. "These first riders kick-started a revolution that changed the world, demonstrating how the immense currents of history can turn on

the smallest of biological changes," wrote Laurent Frantz, who studies zooarchaeology and evolutionary genomics at Oxford University.

Read the full piece here→

#### How Farming Helped Humans Evolve To Get More Energy From Carbs

Popular Science

Some human populations gained extra genes to help break down starch in only 12,000 years.

Our bodies <u>absolutely need carbohydrates</u> for energy. It's a matter of <u>survival</u>. So much so, that some human populations have actually increased the number of <u>genes</u> that help break down starches and sugars over the past 12,000 years. In that time, Europeans have gone from an average of eight starch breaking down genes to over 11.

The adaptation tracks a shift from a <u>hunter-gatherer lifestyle</u> to a more <u>agrarian</u> one, as agriculture spread across Europe from the Middle East. High-carbohydrate staples like wheat <u>dramatically increased in the human diet</u> and the ability to efficiently absorb all of that energy was advantageous. The findings are detailed in a <u>study published September 4 in the journal Nature</u>.

#### Read more

### Free Hands-On Learning Lesson Planner

Bring learning to life with tactile, hands-on activities across every subject—from math to ELA, science to social skills. Use our simple planning grid to design meaningful, memorable lessons. Start building deeper learning—download today!





#### 2025-26 Great Big Home and Garden Show Student Design Contest

I am pleased to announce that we are doing the contest again this year. I have linked a few different items here. 1) Rules and Regulations packet. 2) Rubrics, now with each section on its own page! 3) Civil plans in PDF form 4) Civil plans in .dwg form.

I am sending the packet and rules now for you, the instructor, to review and digest. We are asking that the students do not begin work until Monday, October 13th, 2025 at the earliest. If you know of someone that may be interested, please forward this information on to them and have them reach out to me so I can get them added to our email list.

If you have any questions, let <u>Erik</u> Ward know.



# Technology and Engineering Education News and Resources

Activities, Contests, Student Opportunities, and New Technologies

#### **ITEEA 2025 Fall Forum**



ITEEA's 2025 Fall Forum kicks off in just one month — registration is still open!

7 Only 21 days until we dive into this year's theme: For the Classroom and Beyond

This virtual event is designed to energize your teaching and expand your perspective with:

- Focused sessions on classroom strategies, instructional leadership, and tech integration
- Live discussions with educators and thought leaders shaping the future of STEM
- Practical takeaways you can implement immediately — no fluff, just impact
- Flexible access from wherever you are — no travel required!

Register now to be part of this dynamic, forward-thinking experience.

View the Agenda + Register Now



# **Future City Competition Registration Closes Soon!**



<u>Future City</u> registration closes on **October 31**! Don't miss the chance for your students to take part in this year's exciting theme, **Farm to Table**, where they'll design sustainable ways to feed future communities.

As a past participant, you know the impact Future City has on students' creativity, teamwork, and STEM skills. Make sure your team is part of the challenge again this year!

Register today before it's too late.

# Unlock the Path to Computer Science Licensure OSLN

Ready to take the next step in your teaching career? The Ohio STEM Learning Network's Licensure Exam Prep Program helps current and aspiring computer science teachers earn their <u>supplemental license</u> in Ohio.

This fast-paced, guided study program combines live virtual sessions with self-paced online learning to help you deepen your computer science knowledge and prepare for the Ohio Assessments for Educators: Computer Science (054).

Applications accepted on a rolling basis until November 26, 2025. Program may reach capacity before this date.

 In-depth learning: Access essential exam content anytime with our on-demand course featuring 50+ hours of video instruction, practice activities, and more.

- Expert guidance and collaborative study:
   Participate in ten 90-minute virtual study group sessions, held on alternating
   Tuesdays at 7:30 p.m. starting January 13, 2026. Led by experienced instructors, these sessions will keep you on track and help you prepare effectively.
- Flexible options: Combine self-paced online units with interactive group study sessions focused on the content areas where you need the most support.
- Exam-aligned curriculum: The program is carefully crafted to align with the four domains and 11 sub-strands found on the Ohio Assessments for Educators: <u>Computer</u> <u>Science (054)</u>.

Applications accepted on a rolling basis until November 26, 2025. Program may reach capacity before this date.

More information, Schedule and eligibility

Apply by Nov. 26, 2025

### **Inside the Making of a World- Class Corn Maze**

Popular Science



In Indiana, Exploration Acres found a way to keep the family farm alive.

Just as farming has modernized over time, so has the process that goes into preparing a corn maze. As Fitzgerald explains, the early strategy relied on a subtractive approach. Step one was to plant and grow your corn at the appropriate time. Meanwhile, Fitzgerald decided and created an artistic theme himself. Once the pathways were finalized, it was a matter of creating the maze's vector files in Adobe Illustrator. No, really.

That has evolved over the years and is described in the article.

Read more

#### **NEO:STEM Now Newsletters**



Building the Future of STEM in Northeast Ohio

Connecting schools, businesses, and communities to inspire curiosity, develop future-ready STEM skills, and open doors to new opportunities.

Read October 3 Newsletter here

Read October 10 Newsletter here

# The Best Thing That Could Happen to the Energy Industry

History has been written by whoever controls the dominant fuel of the era — until now, says renewables entrepreneur Matt Tilleard. He explains why, as the clean energy transition ramps up, we're moving from a world where energy comes from burning fuels to one where it will come from using technology. Learn why this could change everything about global power dynamics — and why the future belongs not to those who control resources, but to those who build and share technology.

Watch TED talk

#### New Data Show no Al Jobs Apocalypse—for Now Brookings

Every day brings new breakthroughs in artificial intelligence—and new fears about the technology's potential to trigger mass unemployment. CEOs predict white collar "bloodbaths." Headlines warn of widespread job losses. With public anxiety growing, it can feel like the economy is already hemorrhaging jobs to AI. But what if, at least for now, the data are telling a different story?

To find out, we measured how the labor market has changed since ChatGPT's launch in November 2022. Specifically, we analyzed the change in the occupational mix across the labor market over the past 33 months. If generative Al technologies such as ChatGPT were automating jobs at scale, we would expect to see fewer workers employed in jobs at greatest risk of automation.

#### Read more

#### Math and Career Education Are Now Top Grant Priorities for Ed. Dept.

STEM Education Coalition



The U.S. Department of Education released two new proposed priorities for competitive grant-making on Thursday, shedding more light on what initiatives the administration plans to champion—just as it cancels hundreds of ongoing grants.

The two prospective additions, published in the Federal Register on Thursday, would focus on supporting "meaningful learning opportunities" in what the agency describes as foundational subjects, and advancing career and technical education.

Read the full article here.



#### Nominate Ohio's Excellent **Technology and Engineering Programs and Teachers!**

OTEEA is an ITEEA affiliate association so we choose the award winners. You can use the nomination form linked below and on the websites. If you have question contact Paul E. Post. Although the nomination form may say selfnomination you can also use it to nominate someone else filling in as much as you can. You are doing great things with your students and know others also doing great things. Please nominate them or yourself!

#### **Program Excellence Award**

Recognizing technology and engineering education programs that model excellence and serve as inspiration to others.

Awarded by ITEEA and sponsored by Paxton/ Patterson for decades, The Program Excellence Award is one of the highest honors given to technology and engineering education programs at the elementary, middle, and high school levels and is presented in recognition of outstanding contributions to the profession and their students.

#### Read more

#### Program Excellence (PE) Nomination Form

#### **Teacher Excellence Award**

Recognizing classroom teachers for outstanding contributions to technology and engineering education.

Awarded by ITEEA and sponsored by Goodheart-Willcox for decades, the Teacher Excellence Award is one of the highest honors given to technology and engineering education classroom teachers at the elementary, middle, and high school levels and is presented in recognition of outstanding contributions to the profession and their students.

#### Read more

Teacher Excellence (TE) Nomination Form



#### Why It Matters:

Teaching is its own reward—but being recognized by your peers? That's next level. ITEEA makes it easy to spotlight the impact educators and programs are making every day.

#### Y Opportunities:

- Program & Teacher Excellence Awards Honoring standout K-12 programs and educators worldwide. See Above.
- Distinguished Technology and Engineering Educator & Emerging Leader Recognitions -Prestigious recognition for experienced and rising professionals.
- Special Recognition Awards Celebrating changemakers in the field.
- Scholarships & Citations Supporting future and current educators in Technology & Engineering Education.
- STEM School of Excellence Apply to showcase your school's integrative STEM program and inspire others!

#### Deadlines:

- Most nominations due November 1, 2025
- STEM School of Excellence applications due December 5, 2025



#### Be Celebrated at ITEEA 2026!

Awardees will be honored at our 88th Annual Conference in Virginia Beach, March 25–28, 2026.

Nominate or Apply Now – All criteria and deadlines are outlined on each award page.

EXPLORE ALL AWARDS AND SCHOLARSHIP **OPPORTUNITIES** 



#### **Workshops in Cincinnati**

CET offers a variety of full- and half-day workshops. These workshops are held from 9:00 AM-12:00 PM and 1:00 PM-4:00 PM in our conference room in Cincinnati, Ohio. Whether you want to learn about the newest online tools and resources, find out how to create engaging lessons or move towards a collaborative, paperless classroom with Google Apps for Education, CET has a class for you!

#### Read more

#### **MakerED Educators Forum**



Your are invited to the 5th annual MakerED Educators Forum, a free virtual conference happening OCT 17, 2025 from 12-6 ET / 9-3 PT. Sponsored by Dazzling Discoveries and Engineering with Paper.

Join <u>MakerED.org</u> for engaging, virtual professional development designed for maker educators. These sessions bring together inspiring educators and innovative ideas to help you bring making into your classroom.

All the details and registration link are here: <a href="https://makered.org/">https://makered.org/</a>

Feel free to contact Godwyn Morris, info@Dazzlingdiscoveries.com with any questions.

Conference is virtual and will be fully recorded.

Register Now

#### MakerEd Educators Forum Oct 17, 2025

Register at MakerED.org

A free virtual professional development event for maker educators



Happening 12-6pm ET, 9-3pm PT. These sessions bring together inspiring educators & innovative ideas to help you bring making into your classroom.

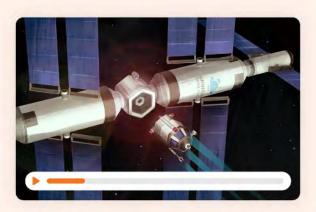
# Clark, Champaign County Students Get Glimpse of Their Futures, Hands-on Experience Springfield News-Sun

About 120 high schools students from Clark and Champaign counties got a glimpse at what their futures could look like after taking part in a new program that helps connect students with hands-on career opportunities and exploration.

The Greater Springfield Partnership held its first of four Discovery Days as part of the new program, with each day focusing on different career clusters, according to Kaitlyn Tyler, talent and education coordinator for the partnership.

Read more

#### Access Free Live and on-Demand Webinars Hosted by Amplify Science.



Fall is the perfect time to discover new and exciting teaching practices, and Amplify Science is here to help.

Whether you're looking to attend a live webinar or you're interested in exploring professional learning at your own pace, we've got you covered. Check out our <u>free professional learning webinars</u> page and register for one or more of our upcoming webinars for science educators.

#### Register now

If you'd like to earn CE credit, look no further. We have plenty of <u>free</u>, <u>on-demand CE webinars</u> available for your viewing pleasure.

# How Engineers Fight Burnout in High-Pressure Projects IE Shop

- Take short breaks to reset your focus
- Share struggles with teammates instead of bottling them up
- Protect personal time with clear boundaries
- Keep tasks organized to avoid chaos
- Use tools that cut out repetitive work
- Stay healthy with rest, movement, and hydration
- Step away to find new inspiration

# We Tested if a Specialized Magnetic Powder Could Remove Microplastics From Drinking Water: the Answer Is Yes

Phys.Org



Credit: Unsplash/CC0 Public Domain

Microplastics are the crumbs of our plastic world, tiny pieces that come from bigger items breaking apart or from products like synthetic clothing and packaging. They're now everywhere. Scientists estimate there are about 51 trillion of these particles floating in the world's surface waters, and low levels have even been found in South African tap water.

#### Read more

# Before the Invention of Price Tags, Shoppers Weren't Used to Fixed Prices.

**History Facts** 

If you're shopping for goods in the Western world, you expect to see a price tag on most things, whether it's a secondhand toaster at a garage sale or a can of beans at the supermarket. But clearly advertised prices are a relatively recent phenomenon, originating in the 1870s. Before then, haggling was the norm, with the major

exception being stores run by <u>Quakers</u>, who believed charging different prices for different customers was <u>morally wrong</u>.

Read more

#### **Budget Fears? We Can Help.**

STEM Education Works

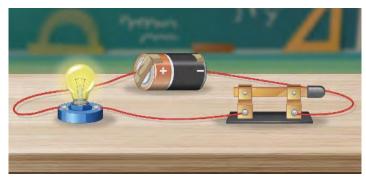


There's still time to find funding for your STEM programs. With our free grant database and resources, we'll help you scare away those budget monsters and bring your STEM space to life!

**Browse Grants and Resources** 

# Electrifying STEM!: A Crash Course in Circuitry, Part I

STEM Education Works



Something shocking is creeping through the wires. In Dr. Jake's blog, we spark hands-on curiosity by demystifying voltage, current, resistance, and how electrons race through a circuit. To your students, this might feel more like magic than math. Read on ... before the lights flicker.

Read Blog

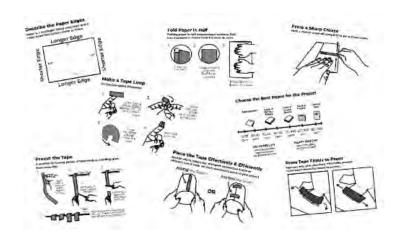
### Get the FREE Tips & Tricks Packet

From



Build with Confidence! Tips & tricks for successful projects with paper, tape and scissors

8 illustrated tips for educators and students to help foster efficient and effective building practices. Formatted for display in your classroom!



#### **Tips & Tricks Packet**

# "The Ability To Produce Is Just as Important as the Ability To Innovate."

National Academy of Engineering president Tsu-Jae Liu discusses how engineers can help the United States translate new ideas into practical benefits for the nation.

Read more

#### **Old Newbury Crafters**

PBS - Craft in America

The craft of silversmithing in New England existed even before America's most patriotic silversmith, Paul Revere, made his famous ride. Old Newbury Crafters in Amesbury, MA was one of the best at the time. Fourteen generations later, it is now in the capable hands of a young metal artist, Chloe Darke. She leads the company in handforging extraordinary objects and declares "there's a rebirth of craft for people in my generation who are interested in traditional ways of making things.

www.oldnewburycrafterssilver.com

Watch episode

#### New Work-Based Learning Tool Coming to OhioMeansJobs K-12

Educator training opportunity for new workforce readiness tool

This October, educators can participate in one of two training opportunities to discover the new work-based learning tool in <a href="OhioMeansJobs K-12">OhioMeansJobs K-12</a>. Each session will provide hands-on experience and guidance for seamlessly incorporating the tool into a classroom or program.

By the end of a training session, educators will be familiar with PortfoliOH and understand how to track and document work-based learning experiences, OhioMeansJobs skills, volunteer hours, and community service, and know how to integrate the tool into their classroom workflows.

Educators will have hands-on time to explore PortfoliOH as both a student and an educator, and will leave with resources and support information.

Training options include:

- Oct. 28
  - o 7:15-8:15 a.m.
  - o 4:15-5:15 p.m.

Reserve your spot today.

#### **Interesting Facts**

- 5 Surprising Things the Ancient Egyptians Invented
- Why Do Websites Use 'WWW' and 'HTTP'?

# Discover Hands-On Learning at ITEEA's Annual Conference

**ITEEA STEM Sparks** 

Each year, ITEEA's Annual Conference offers a rich array of learning opportunities, and one of the most popular features is the Activity Center located in the exhibit hall. Designed by the Conference Planning Committee, these hands-on experiences are often tailored to each host city, reflecting its unique character and themes.



At the 2025 Conference in St. Louis, one standout activity captured the enthusiasm of attendees: the chance to design and create personalized ping pong paddles. Participants not only crafted their own paddles but also had the opportunity to compete in a lively tournament held just before the exhibit hall closed. The excitement didn't end there —many attendees brought the activity back to their classrooms, adapting it with their students and extending the learning far beyond the conference. Special thanks to out to Dr. David White at Florida A&M University and Mike Sundblad at St. Cloud State University for sharing their experiences with the activity.



Dr. White's FAMU students display their new personalized ping pong paddles.

This DIY ping pong paddle can help teach engineering design and problem solving and and increase the social emotional environment in schools. A ping pong program has proven to be an incredibly valuable addition. Observations have included the following positive changes:

- Reduced Stress and Anxiety
- Improved Focus and Concentration
- Increased Social Interaction and Connection
- Boosted Mood and Overall Well-being
- Positive Behavioral Changes

Want to see what's next? Be sure to join us at the 2026 Conference in Virginia Beach, where the Planning Committee is already preparing another round of innovative and engaging activities you won't want to miss!

Download the Ping Pong Paddle Activity

Read more

# News From Interesting Engineering

**Interesting Engineering** 

<u>Europe's Largest Solar Plant: 2600 Football Fields in Size</u> – Did you know Europe's biggest solar power plant is in Turkey? With a whopping 1.35 GW capacity and stretching across 2600 football fields, it's a powerhouse! Lighting up 600,000

homes every year is the sunny side of a greener, more sustainable future!

New concrete battery delivers 10x energy boost, turns buildings into giant power banks – MIT's concrete battery can now power homes with just a wall, turning everyday structures into massive energy storage systems.

The Bike Helmet That Calls Emergency Services if You Crash – A new bike helmet from O'NEAL and Quintessential Design improves rider safety. In the event of a crash, a sensor in the helmet summons emergency services. It can provide them precise location data – and the speed at which the crash occurred. That means they're better prepared to help the crashed biker appropriately.

<u>Tesla patents inflatable Cybertruck spoiler to cut</u> <u>drag and boost towing efficiency</u> – The system inflates from the Cybertruck's bed, bridging the gap to the trailer to smooth airflow and cut drag.

<u>South Korean robotic hand performs 'moonwalk' in playful academic parody</u> – Moon walk? No hands required.

Wind and solar generate more power than coal globally for the first time ever – For the first time ever, solar and wind have outpaced coal globally.

#### WEBINAR: Diving Into the American Manufacturing Renaissance With Career-Connected Learning

How can we help students discover the full range of opportunities available to them early enough to make a real impact in their career trajectory? Tune in to this informative conversation on how educators can connect classroom learning to real-world career pathways that inspire students to explore the vast array of opportunities available in manufacturing.

Watch recording

### America's Al Data Center Boom — and its Unseen Toll

Amanpour and Company

The White House is telling Silicon Valley to "Build, baby, build," urging companies to invest in artificial intelligence infrastructure in America. The campaign has been extremely successful so far, with tens of billions of dollars funneled into data centers across the country. But while these investments may appease President Trump, they are causing major issues for surrounding communities — as well as for climate change. Hannah Beckler, investigative reporter at Business Insider, joins Hari Sreenivasan to discuss what she has learned about the AI data center explosion.

Watch video

#### Self-Heating Carbon– Geopolymer Composites for Safer Roadways and Sidewalks Ceramic Tech Today

To avoid the challenges that come with embedded heating elements, researchers are also investigating self-heating concrete as a way to deice sidewalks and roadways. Self-heating concrete warms itself without the need for separate elements thanks to electrically conductive or thermally responsive materials contained within the composite. Because the heating capabilities are integrated into the concrete itself, maintenance disruptions and costs are reduced.

Read more

#### The Kid Should See This

The Kid Should See This

Smart videos for curious minds of all ages

Here are some selected videos.

 Can these kirigami disks (full of holes) become parachutes? Points, Lines, Planes, and Solids: Peter Weatherall's geometry songs for kids

#### **Futurity**

What Are the Risks of Geoengineering to Fight Climate Change? – A hard look at geoengineering to fight climate change reveals global risks, researchers report.

Smart Shoe Insert Could Up Mobility for People with Walking Issues – A new smart shoe insert could improve mobility for people with walking problems, researchers report.

**STEM Is Elementary** 



The October issue of STEM is Elementary is available here

# Lawyers vs. Engineers: Dan Wang Sees U.S.-China Dynamics in a New Paradigm

There are many thought-provoking observations in his book, *Breakneck: China's Quest to Engineer the Future*. For example, Wang notices that Chinese leadership is dominated by engineers, while America's governing class is the preserve of lawyers — with a few generals and a handful of businessmen in the mix.

**NPR** Interview

GoodFellows (Hoover Institution) Interview

Amanpour and Company video



- 1.The Outreach group is looking for more members!
- 2.Have a story or pictures to share that tell about your program or
- students? Let us know!
- 3.The webinar has been discontinued. Archived webinars can be viewed at online.
- 4.What OTEEA programming would you like to see?

Contact Paul Post

#### This Week's Technology Tip

### How To Clear Gutters in a Few Simple Steps

#### This Old House

Keeping your gutters clean is one important way to protect your home from water damage. Clogged gutters can cause a host of problems, from roof leaks to foundation issues and landscape erosion.

This guide will walk you through the steps to clear your gutters safely and effectively, whether you're tackling the job yourself or considering hiring a professional. We'll cover the tools you'll need, the techniques to use, and tips for preventing future clogs.



Read more

"The only way to do great work is to love what you do. If you haven't found it yet, keep looking. Don't settle." - Steve Jobs