June 10 2026

News, Resources, & Notes

this issue

Upcoming Events:

1. Ohio Educators Summit / OTEEA Conference, October 21, 2026, River Valley High School, Caledonia, OH
2. ITEEA Conference, March 31 - April 3, 2027, Louisville, KY
3. National Robotics Challenge, April 15 - 17, 2027, Marion, OH

OTEEA webinars online archive

OTEEA News, Resources, and Notes online archive

STEM is Elementary Newsletter Subscription And Archived Issues

STEM competitions and more resources spreadsheet

Link to OTEEA membership form

Growing STEM: Delphos St. John's 6th Graders Put Their Engineering Skills to the Test

Katie Honigford, May 25, 2026

DELPHOS, Ohio (WLIO) - Students in Dustin Hesseling's STEM and Robotics class at Delphos St. John's have been busy this past school year, doing all kinds of projects and activities. They capped off the semester by putting together popsicle stick bridges and putting them to the test to see how much weight they could hold.

With the help of some high schoolers, each group tested their bridge until the weight was too much and the bridge snapped in half. While this was a fun activity at the end of the school year, it's also an example of how the class is helping these students learn lessons that they can use as they continue their time in school, including teamwork.

"Right now STEM has got to that point of the figuring out of how things work and usually we put them with multiple kids at a time, with students that are stronger in one aspect of STEM versus ones that aren't," said Hesseling. "We are getting them to the level that they can get their bridges to the next level, and how they can be a STEM leader in the classroom."

The highest weight held by one of this class's bridges was 100 pounds.

The students say that they have been doing all kinds of projects, and told us about some of their favorites and their tricks for making their bridge more stable.

"We've been learning how to make paper airplanes fly really far and then we've been doing bridges,

trying to hold the most weight," said Owen Smith, a 6th grader at Delphos St. John's.

"Engineering, testing, modeling and we're just trying to test stuff and just seeing how it works," said Jack Clark, a 6th grader at Delphos St. John's. "We tried to do triangles because it stabilized it better and then we made it like a bridge, it just really stabilized it."

In a few years, these students at St. John's could be part of the new Project Lead the Way, an engineering course where students work with area businesses to develop their capstone project in areas like robotics, 3D printing, and more.

The budding ideas for those higher levels of learning start right here with building popsicle stick bridges.

"These concepts we do in STEM will help lead the way through 3D printing and laser engraving and also other STEM projects to where we have to build multiple things, especially for community help," Hesseling said. "We will have that here in a few years, so as 6th grade moves into 7th and 8th grade and go through different teachers of STEM, they will then come back with me for Project Lead the Way to help out with community involvement."

Project Lead the Way is a nationwide curriculum with several other area schools participating - you can find more information and which schools are involved at the PLTW website.

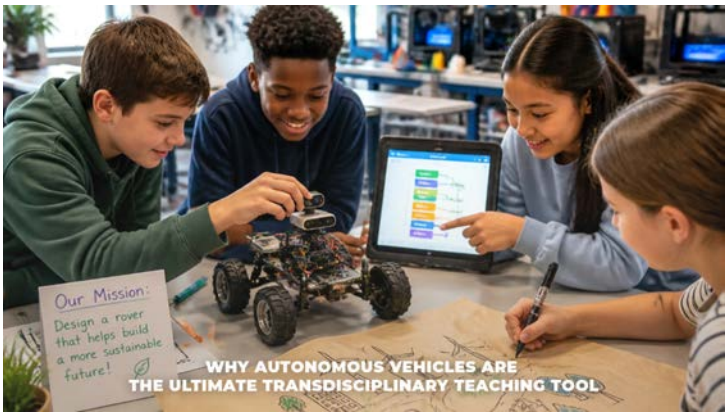
Watch video

Why Autonomous Vehicles Are the Ultimate Transdisciplinary Teaching Tool

The PAST Foundation, Annalies Corbin

In this first thread of our Future of Mobility series, we're diving into a topic that often feels confined to a high-tech engineering lab or a Silicon Valley boardroom: Autonomous Vehicles (AV). But at the PAST Foundation, we don't see AVs as just a "car thing." We see them as one of the most powerful, expansive, and engaging transdisciplinary teaching tools for modern educators.

When we talk about self-driving cars, we aren't just talking about hardware and software. We are talking about the intersection of ethics, urban planning, environmental science, mathematics, sociology, and the very fabric of how our communities function. What if we stopped treating "coding" as an isolated skill and started seeing it as the engine that drives social equity and safer streets?



Welcome to the bridge between today's classroom and tomorrow's workforce. Let's explore why the Future of Mobility is the perfect vehicle (pun intended) to hack school and link learning to life.

Beyond the Hardware: A Transdisciplinary Lens

When most people think of autonomous vehicles, they picture LIDAR sensors, cameras, and complex algorithms. While those are fascinating, the real magic for educators lies in the technology's transdisciplinary nature. To build a car that drives itself, you don't just need a mechanic; you need a philosopher, a geographer, a mathematician, and a storyteller.

In a traditional school setting, we often teach these subjects in silos. Math is at 9:00 AM, and Social Studies is at 1:00 PM. But the real world doesn't work that way. Autonomous vehicles demand that we break down those walls.

For example, consider the "Trolley Problem": a classic ethical dilemma that asks how an AI should prioritize lives in an unavoidable accident. This

isn't a coding question; it's a question of philosophy and civics. When students grapple with this, they aren't just learning to program; they are learning to think critically about technology's human impact. This is the heart of Transdisciplinary Teaching, where the problem defines the curriculum, not the other way around.

Read more

The Streamlined STEM Educator: Hands-On AI Tools To Transform Your Teaching

Between grading, prepping materials, and managing your lab or shop, your time is at an absolute premium. Instead of just talking about AI, let's use it to make your life easier. Join us for a 2-day virtual, hands-on professional development sandbox designed explicitly for technology, engineering, and STEM educators:

Dates: July 21-22, 2026 from 9am to 3pm ET

Where: 100% Virtual

Register Here

This isn't a passive lecture. Built entirely around free, personal Google accounts (no school IT hurdles!), you will roll up your sleeves and master the tools shifting the classroom landscape:

- **NotebookLM:** Turn your curricular units into a secure, private AI tutor hub for your students.
- **Teachable Machine:** Train live machine learning models to recognize shop tools, safety poses, or components.
- **Google Vids:** Instantly script and generate high-quality lab safety and concept videos using AI avatars and b-roll.
- **Master Prompt Toolkit:** Build a copy-and-paste library to effortlessly generate rubrics, critique code, and differentiate technical lesson plans.

🎟️ ITEEA Network 20% Discount - Use promo code "**aisummer26**" at checkout to save 20%. Hurry: this code expires on June 15, 2026!

Stop drowning in administrative overhead. Click below to grab your spot in the sandbox and streamline your classroom.

Secure Your Spot Now

STEMonstration: Mass Distribution

Have you ever kicked a soccer ball and wondered why it curves, spins, or sometimes wobbles? Distribution of mass plays a part!

Engineers carefully design soccer balls so they fly smoothly whether they're being kicked in your backyard or in the World Cup. In the latest **STEMonstration video**, NASA astronaut Jessica Meir aboard the International Space Station explains the science hidden inside every ball.

Watch the video, then make a classroom connection to mass distribution with a **hands-on activity from Orion's Quest**. In partnership with NASA and Adidas, they've developed a lesson that lets students explore how soccer balls behave when spinning under Earth gravity versus microgravity. Explore the same balance and mass distribution factors that Adidas used to design the soccer balls used in 2026 World Cup play.

Click here to explore more STEMonstrations and activities.

Free Professional Development at the Summer AI Café at BGSU

June 29, 2026
9:00 a.m. – 12:00 p.m.
BGSU @ Levis Commons
1655 N. Wilkinson Way, Perrysburg, OH

Local K–12 educators, administrators, and pre-service teachers are invited to participate in collaborative brainstorming sessions exploring the evolving role of artificial intelligence in education.

A list of session titles will be provided upon registration!

Attendees will rotate through a series of 45-minute, small-group discussions centered on key topics such as AI tools in the classroom, responsible AI usage, prompt engineering, using AI to Enhance Creative Thinking, and others.

Come share ideas, gain insights, and connect with fellow professionals as we explore the potential and challenges of integrating AI in education.

The following will be provided:

- Light Breakfast and Coffee/Tea Bar
- Continuing education credits (CEUs)
- Opportunities for networking

Register at: https://forms.gle/uNkkqQrZBK5AEmrWA

STEM Next Is Testing a New Model for AI Learning in Afterschool. Early Results Show What Works.

Before they got involved in STEM Next's Opportunity AI pilot project in the fall, afterschool educators said they weren't sure where to start with using AI in their programs, much less teaching kids how to use it. Now, they're testing activities with students, exploring how to integrate career-connected AI learning in their programs, and sharing what works with other educators across their states.

This is an early look at what it takes to scale human-centered AI learning through afterschool.

Read the Story

STEM Is Elementary

The June issue of STEM is Elementary is available here.

Popular Science Articles

- How do erasers actually work? It's surprisingly complicated. - Long before humans smacked "delete" to obliterate typos, we fixed mistakes and revised written language the old-fashioned way: by rubbing errors clean off the page.
- Why airplane toilets are tiny engineering marvels - There's a reason for that very loud sucking sound.
- What do TSA bag scanners actually see? - Airport X-ray imaging can detect all sorts of threats, along with the water bottle you forgot to trash.
- Robotaxis almost happened in 1964—with help from the U.S. government - But personal rapid transit never got off the ground. That is, until Silicon Valley stepped in.

Technology and Engineering Education News and Resources

Activities, Contests, Student Opportunities, and New Technologies

ITEEA Summer Workshops

ITEEA's Professional Learning byDesign (PLbD) Summer Workshops are available and two are tin Kentucky. Educators can choose between in-person and virtual options. Click here to view dates and locations and learn more about each workshop!

Save the Date for ITEEA's 2027 Conference

Mark your calendar for the ITEEA 2027 Conference, coming to Louisville, Kentucky, March 31-April 3, 2027!

The Conference theme, *Taking the Reins: Guiding the Future of Technology and Engineering Education*, invites educators, leaders, and innovators to come together to shape what's next for T&E education.

ITEEA Call for Presenters

We can't wait to bring ITEEA's 2027 Annual Conference, Taking the Reins: Guiding the Future of Technology and Engineering Education, to Louisville, Kentucky, March 31–April 3, 2027. We have great news: **the call for presenters is now open!**

As you wrap up the school year, take a few minutes to think about the wins, breakthroughs, and creative solutions you could share. What is working in your classroom, district, program, or organization that would inspire or support other educators across the T&E community?

[Start Your Presenter Application]

Your peers are looking for practical ideas, proven strategies, and real-world examples they can bring back to their own students. You can guide the future of T&E education by sharing your classroom successes, lessons learned, and innovative approaches that make a difference.

Not sure if your idea is “big enough”? If it helped your students, strengthened your program, or solved classroom challenge, it may be exactly what other educators need.

- Professional Learning Sessions (30min, 45min, or 75min)
- Hands on, practical sessions focused on classroom-ready ideas, strategies, tools, research, and implementation.
- Apply by Friday, August 28, 2026

Now is the perfect time to start thinking about the classroom strategies, hands-on learning experiences, research, or program ideas you may want to share.

[Apply now]

Flyer at the end of this newsletter.

ITEEA STEM Sparks

Crack the Code: How to Scale STEM Programs Without Losing What Makes them Work

Many STEM programs launch with excitement. Students are engaged. Teachers are energized. Early results look promising. Then comes the inevitable question:

“How do we scale this?”

For too many districts, that question marks the beginning of a stall. Programs that thrive as pilots struggle to grow beyond a handful of classrooms or a single school. The issue isn’t the quality of the curriculum—it’s what happens after early success.

At the ITEEA Virginia Beach Conference, Dr. Natoshia Anderson, CEO of The Anderson Strategy Group, tackled this challenge head-on in her session Crack the Code: Scale Your STEM Program Now. Her central message was clear: scaling is not an extension of launching—it’s an entirely different skill set.

[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 May 15 Newsletter here]

[Read May 29 Newsletter here]

Bill Nye Challenges the Idea of a STEM Skills Gap

American scientist, comedian, author and television personality Bill Nye (John Nacion/Getty Images)

Bill Nye argues that student innovators are demonstrating the creativity, collaboration and

problem-solving abilities that many employers claim are lacking in today's workforce. Citing projects from the Toshiba/NSTA ExploraVision science competition, he highlights how students are developing solutions involving AI, sustainable energy and public safety technologies. Nye contends that organizations can better foster innovation by embracing interdisciplinary teamwork, encouraging curiosity and giving early-career workers meaningful opportunities to contribute.

Full Story: Fortune (tiered subscription model) (5/31)

The Science Behind Speed: How Aerodynamics Wins Races

COSI

Felix Rosenqvist's margin of victory of 0.0233 of a second, the closest finish in Indy 500 history—also marks the seventeenth Honda-powered win! Go behind the scenes in this edition of COSI's *Science of Sports* with Honda Racing US for a look at the physics behind these fast cars and why winning in car racing isn't just about speed. Explore the science of aerodynamics, focusing on how drivers and engineers balance forces for peak performance; go inside the HALO wind tunnel with Honda Racing Corporation (HRC) to see how cutting-edge testing simulates real racing conditions, helping teams refine designs and gain a competitive edge; and learn how invisible forces shape every lap and drive motorsports innovation into the future.

Watch the latest episode now! >>

Educators Know Future City Makes Learning Fun

Future City is amazing for the kids! ~ Deanna, Educator

Kids learn compromise and being a team! ~Anna, Educator

There isn't any other competition out there that gives students such a complete experience! The likelihood of them becoming an engineer goes up once they've been in Future City.
~ Harshal, Engineer Mentor

Register Now to Bring Future City to Your Students!

Build Fluid Power Industry Connections Through NFPA's Speaker's Bureau

NFPA's Speaker's Bureau connects students with real-world career opportunities in the fluid power industry by bringing industry professionals into classrooms and club meetings. NFPA members share information about fluid power careers, industry trends, and pathways into the field while giving students the chance to network.

Staff at the NFPA helps coordinate by working with both the educator and the speaker to select a time, and by providing information on career paths and job types, salary and job outlook data, and educational requirements for various roles.

Are you interested in hosting a speaker? Reach out to workforce@nfpa.com to get started today!

What's Next: Introducing the STEM Innovation Roadmap

Across Ohio, schools are strengthening STEM learning, and we've listened closely to what leaders need to sustain that progress. While cohort models build connection, fixed schedules don't always align with school realities. Leaders are asking for more flexible, responsive support.

With that in mind, the Ohio STEM Learning Network is evolving our approach.

For 10 years, OSLN has supported STEM leaders through the Innovative Leaders Institute. Building on that foundation, we're excited to introduce what's next.

Beginning in July 2026, OSLN will launch the **STEM Innovation Roadmap**—a flexible resource designed to help schools deepen STEM or STE(A)M practices. It combines key elements of past leadership programs with designation supports, enabling schools to create and implement a strategic plan at their own pace.

Schools will be able to access targeted feedback, connect with OSLN experts, and participate in an informal site visit to gauge readiness for formal STEM designation.

No matter where you are on your journey, OSLN is here to support you in growing and strengthening your STE(A)M learning community.

Learn How We Support Educators and Schools

National STEM Festival: Open Build Day (FREE Public Expo, all Ages)

Overview

EXPLR's National STEM Festival's FREE public expo — hands-on builds + teen innovation showcases. All ages welcome.

Welcome to the NATIONAL STEM FESTIVAL — Open Build Day

The National STEM Festival is an official program partner of America250 — and the Open Build Day is our all-ages public expo celebrating the next generation of builders and the partners helping drive American innovation.

FREE • All ages welcome • Registration required (capacity is limited)

What to expect

- Meet 50+ National STEM Champions as they showcase breakthrough projects in AI, health & medicine, sustainability, aerospace, and more
- Jump into 20+ hands-on STEM experiences led by industry and community partners (final activation lineup will be announced soon)
- Family-friendly programming designed to spark curiosity for kids, teens, and grown-ups
- Live moments + broadcast highlights (select programming may be livestreamed)
- Giveaways and take-home resources (while supplies last)

Who should attend

- Families & caregivers looking for a fun, meaningful day out
- Students (Grades K–12) who want to build, experiment, and discover
- Educators & school leaders seeking ideas, resources, and inspiration
- STEM professionals who want to connect and support youth innovation
- College & university reps eager to meet future builders
- Anyone curious about STEM — if you like making, creating, and learning, you belong here

Registration info

This event is free and open to the public, but registration is required due to venue capacity. Reserve your spot early—walk-ins may be limited.

Read more and register

Upcoming 250th Events

Check our **Events Calendar** for the full schedule of America 250-Ohio upcoming events. Many April activities around the state. We are constantly adding more so keep checking back often!

Ohio's AI in Education Coalition: AI Strategy

Ohio is at the forefront of embracing Artificial Intelligence (AI) as a transformative force in education. In May 2024, under the leadership of Lt. Governor Jon Husted, Ohio's AI in Education Coalition convened to develop a comprehensive strategy to ensure that the state's K-12 education system is prepared for and can help lead the AI revolution. The coalition, composed of representatives from industry, school districts, and other stakeholders, was divided into three workgroups—Industry, Operations, and Instructional—each tasked with addressing specific aspects of AI's impact on education. The recommendations of these workgroups form the core of this strategy.

Download AI in Education Strategy Document

Other Videos of Note

- He Created A Whole Dance Crew With ROBOTS! | AGT 2026
- Massive 16 Foot Rubber Band Powered Airplane
- Is making things by hand still worth it?
- From ITEEA: Low-Cost, High-Impact: Teaching Tech with Circuits, Lasers, and 3D Printing

The Kid Should See This

The Kid Should See This

Smart videos for curious minds of all ages

Here are some selected videos.

- James and the Giant Ban: Censorship and the First Amendment
- The Lemonade Machine 2, an inventive Rube Goldberg long take
- How to fold the Nakamura Lock paper airplane
- How do wind turbines work?

From Interesting Engineering

- Are air batteries a good solution for energy storage? – With renewables on the rise, many companies are looking at novel and cheap ways to store the energy for use when the wind isn't blowing and the sun isn't shining.
- How spinning sails are cutting fuel use in modern shipping – A 100,000-ton bulk carrier slicing through the North Pacific might not look revolutionary at first glance—but rising from its deck are three towering, spinning cylinders that are quietly reshaping maritime engineering.
- 'World's first' floating 45 MWh hydrogen hub validated to power ships without grid connection - The three-platform hub uses 45MWh of battery storage, hydrogen fuel cells, and renewables to power ships at berth.
- How Starlink actually works — from space to your screen - In the middle of the Pacific Ocean or at 35,000 feet over the Atlantic, Starlink is delivering real, fast internet — and it's doing it with a flat box, and over 10,000 satellites orbiting just 550 kilometres above Earth.
- Interesting Engineering YouTube Home

Rabbit Hole - New YouTube Channel

Story of the channel: The Rabbit Hole of Everyday Questions with Emily Zhang

Rabbit Hole Channel

Sample video: Why do office chairs have 5 legs?

1440 Findings

Hours of research by our editors, distilled into minutes of clarity.

Dive into the dynamic world of science and technology, where curiosity has brought about

extraordinary understandings of the universe and creativity has led to the breakthroughs and innovations that have transformed our world.

Explore a wide range of topics, from the natural and physical sciences to cutting-edge technologies and the people who shaped them, each of which is accompanied by carefully curated resources meant to inform, engage, and inspire those eager to uncover the nature of reality.

Look through topics

Inside ATL: How Delta Juggles 100,000 Bags a Day at the World's Busiest Airport

NPR Morning Edition

Delta Air Lines ramp agent Mike Davis prepares to load passenger luggage on his cart while working at Hartsfield-Jackson Atlanta International Airport, on May 13, 2026. - Alyssa Pointer for NPR

Before the plane even arrives, Mike Davis is on his way to the gate at Hartsfield-Jackson Atlanta International Airport.

"So we have two bags to pick up, with one stop," Davis explained from behind the wheel of a baggage tug that ferries luggage to and from planes.

Davis works for Delta Air Lines on the ramp, as airlines call the bustling area of pavement between the terminal and the taxiway. He's waiting when the jet pulls up, and bags start rolling down the conveyor belt. Davis grabs two suitcases off the belt, pulls out a handheld computer that looks like an extra-rugged iPad, and scans the bar codes on the luggage tags.

"Now I take it, I scan it, it gives me a green scan sign saying it's A-okay," Davis said.

Read more and listen

Getting Good at Failure

Next Generation Learning Challenges

Failure isn't the opposite of learning. Our schools need to help students use failure as an opportunity to become resilient, creative, and innovative lifelong learners.

Some of the best learning moments in our school begin with something not working. A 3D print collapses halfway through the night. A carefully designed business loses money at our student marketplace. A bridge built during STEM snaps under pressure. A presentation falls apart. A group project ends in frustration. A plan that seemed brilliant on paper suddenly doesn't work in real life. This is usually where the real learning begins.

In many schools, students are taught to avoid failure at all costs. Success becomes tied to grades, percentages, rubrics, and getting the "right answer" the first time. Students quickly learn how to play it safe. They ask questions like "Is this what you want?" or "Did I do this right?" before they've even had time to think creatively or take risks.

Read more

Top 18 Fastest Cars in the World: Land Speed Record Breakers

BBC Science Focus, James Cutmore

Since the first motorcar was unveiled by Karl Benz in 1886, humans have been dreaming of pushing the limits of what they can do.

The fastest production car in the world is currently the Bugatti Chiron Supersport 300+, with a top speed of over 489 kph (304 mph), but even this monster pales in comparison to some of the amazing vehicles that have held the land speed record over the years.

Over the last 140 years, many people have risked their lives pushing the limits to earn a place in the record books.

Here are the drivers and cars that have broken the world land speed record throughout history

Read more

MIT Scientists Replace Pacemakers With Wearable Ultrasound Patch

ZME Science

A wearable ultrasound patch regulates heartbeats from outside the chest, eliminating invasive surgery.

Regulating a misfiring heart has long required surgeons to permanently embed metal wires and batteries deep inside a patient's chest. Now, researchers have discovered how to command the cardiac rhythm from the outside using nothing but sound.

By genetically modifying cardiac tissue to "hear" targeted acoustic waves, engineers at the Massachusetts Institute of Technology have developed a wearable, stamp-sized ultrasound sticker that successfully paces the heart without a single incision. This approach upends decades of cardiovascular consensus; rather than implanting machinery to physically shock the muscle, doctors could soon combine a one-time gene therapy injection with a simple external patch to manage arrhythmias.

Read more

NASA Unveils New Details About the Future Moon Base and the Missions Laying the Groundwork To Build It

Smithsonian Magazine

The first three missions are targeted to launch this year. They'll involve lunar landers developed by several aerospace companies, including Blue Origin, and deliver scientific instruments and a rover.

From left: replicas of the Blue Origin lander, Astrolab rover, Lunar Outpost rover and the Firely orbiter. NASA / Aubrey Gemignani

Humans are heading back to the moon, and this time, they want to maintain a long-term presence there. That means future lunar visitors will need a place to stay.

On May 26, NASA revealed new details about this much-talked-about future moon base, including the private companies that will be participating in the upcoming missions paving the way toward its establishment.

“The moon base will be America’s and humanity’s first outpost on another celestial world,” NASA Administrator Jared Isaacman says in a statement. “Every mission, crewed and uncrewed, will be a learning opportunity as we return to the lunar surface, build the infrastructure to stay and master the skills required to live and operate in one of the most demanding and dangerous environments imaginable.”

Read more

3 Universities Earn Grand Champion Title at the Fluid Power Vehicle Challenge Final Competitions

The University of Louisiana at Lafayette, the University of Cincinnati, and Cleveland State University all took home the prize for Grand Champion at this years FPVC Final Competitions in April.

Thirty schools competed in three races at each competition site judged by fluid power industry professionals. In addition to the races, teams demonstrated their regenerative braking capabilities and gave presentations on vehicle construction, testing, and lessons learned. Each team also met individually with the industry judges to assess their vehicle design.

Now in its 10th year, the Vehicle Challenge is a competition that combines two technology platforms that are not normally associated with one another—human-powered vehicles and fluid power. Teams are tasked with designing and building their own fluid power vehicles over the course of a school year. The program culminates in final competitions at three separate locations.

In the words of one participant,
“One of the most rewarding parts of the challenge was being exposed to the hydraulic industry and building relationships with professionals who are passionate about innovation and investing in the next generation of engineers. Huge thanks to the National Fluid Power Association for creating opportunities like this.”

Click here for a list of all award winners. Please reach out to Mary Pluta at mpluta@nfpa.com with any questions about the Fluid Power Vehicle Challenge.

Your Empty Cuppa Could Capture Carbon

Ars Technica

Polystyrene can be upcycled into carbon sponge material.

Humanity has littered the sky with the refuse of fossil fuel use, releasing enough CO2 to change the planet’s climate. We are also chucking incredible sums of carbon in the form of plastics into landfills and into the environment around (and inside of) us. What if cleaning up one of these problems could also help clean up the other?

A new study led by Ruth Ebenbauer at Aarhus University experiments with this idea by upcycling discarded polystyrene into (part of) a material commonly used in carbon-capture systems.

Read more

ITEEA Connections

This newsletter strives to present content and opportunities that reflect ITEEA's Standards for Technological and Engineering Literacy (STEL). Many resources including crosswalks, compendiums, articles, and presentations can be found at the STEL site.

"I guess that's just the life of an inventor: what people do with your ideas takes you totally by surprise."
Stephanie Kwolek

This Week's Technology Tips

Engineered Plank Flooring Factory Tour and Installing Smart Switches
This Old House

Kevin O'Connor visits a North Georgia factory to follow the steps of making luxury vinyl plank flooring, from mixing ground PVC and limestone to boxing up specially cut planks with digitally printed wood grain. Starts at 3:20 in the video.

Installing a smart lighting system with smart switches, wireless remotes, and an app that controls outdoor porch and sconce lights and low-voltage step lighting. Starts at 19:40 in the video.

Watch video

Upcycle a 3D Printer

Make:

Another year, another new 3D printer in the workshop. Maybe you got a fancy new one for Christmas or just couldn't pass up a smoking deal. Now you have an extra printer collecting dust. It's slow and the print quality is lacking, so what can you do with it? Why not try one of these awesome project ideas and turn your outdated 3D printer into a whole new tool for your collection!

Read more

Call for Presenters Now Open!

ITEEA 2027 Annual Conference | Louisville, KY

March 31-April 3, 2027

Taking the Reins: Guiding the Future of Technology and Engineering Education

Are you ready to lead the field forward? ITEEA invites educators, leaders, and innovators to share their expertise and ideas at the 2027 Annual Conference. Help shape the future of technology and engineering education by presenting engaging, high-quality sessions aligned with this year's theme.

We're looking for sessions that:

- Inspire innovation in curriculum and pedagogy
- Highlight leadership and advocacy in T&E education
- Promote inclusive, human-centered learning
- Strengthen connections between education, industry, and communities
- Explore emerging and cross-cutting ideas

Step forward. Share your work. Help lead what's next.

Deadline: August 28, 2026

Apply Now
https://tinyurl.com/ApplyITEEA27

Learn More
https://iteea.org/2027