

News, Events, and Opportunities

Letter from the Executive Director

Maybe it's the calendar or maybe it's the recent snowstorms, but Minnesotans know that this is high school tournament season. The girls' state hockey tournament was recently played, swimming and diving, and wrestling are imminent, and both boys' and girls' basketball are soon, as is boys' hockey, and adapted floor hockey. There is lots of excitement for players, parents, coaches, and schools. Hotel rooms are booked, buses are rented, and families make the pilgrimage to the tournament sites. For the right kids, youth athletics are a key opportunity in their school experience and overall development.

In the STEM world, it's tournament season too. [High Tech Kids](#) hosted both state [FIRST Tech Challenge](#) and [FIRST Lego League](#) tournaments in February. [MATHCOUNTS](#) has been building towards its March state tournament. [FIRST Robotics](#) has its state tournament coming up in May. Tournament time for participants in STEM programs is no different than for athletes. There is lots of excitement for participants, parents, coaches, and schools. Plenty of practice, practice, practice as well. For the right kids, youth STEM programs are a key opportunity in their school experience and overall development. Competitive students in STEM programs are competitive as students in the classroom and make for a more competitive Minnesota economy later. Let's all find ways to ensure that these opportunities are available to more students.



Jim Davnie
Executive Director

Partner Spotlights

Connecting Minnesota Youth to Career Paths with FutureForward™



mntech™
Minnesota Technology Association

The [Minnesota Technology Association](#) serves as the voice of Minnesota technology-driven companies and the community in advocacy and talent development. MNTech is calling for a collective push from educational institutions, nonprofits, businesses, and civic leaders to equitably double the development of technology

talent in our state over the next ten years. That goal has driven it to a leading role in this year's legislative

efforts to pass the Minnesota Computer Science Advancement Act, the latest effort to assure computer science education is accessible to all Minnesota students regardless of race, gender, or geography.

The coalition working together on the legislation this year includes Code Savvy, Computer Science for All-Minnesota, Code.org, CSTA-MN, Project Lead the Way, and SciMathMN. That work was driven forward when MNTech brought together over 180 business, government, nonprofit, k12, and higher education leaders at Best Buy headquarters for a day in November of defining the challenge, engagement on solutions, and plan for the future.

Since then MNTech has been key in developing the legislation, leading Coding at the Capitol Day that brought students and staff from 8 schools to the Capitol Rotunda to demonstrate to policymakers what even the youngest students can learn in computer science when given the opportunity, and the MNTech CEO, Jeff Tollefson has testified before legislative committees repeatedly.



Readers interested in the legislation can find [HF759/SF757](#) at the links. You can find MNTech's [State of Tech Talent](#) at the link. Both bills have been heard in their first committees and we are hopeful that the coalition of businesses, K12 and higher education, and nonprofits that have come together to advocate this year will be successful.

[Learn More](#)

Connecting Minnesota Youth to Career Paths with FutureForward™



Are you a student or educator in Minnesota looking to bridge classrooms to STEM career paths?

[FutureForward™](#) connects Minnesota youth, classrooms, and after-school programs with local STEM employers to positively impact future workforce and post-secondary decisions. Youth can connect with local business professionals and mentors to engage in internships, job shadows, mock interviews, mentorships, and more.

Educators can connect with employers to engage in experiential career-connected learning opportunities for awareness, in-person/virtual guest speakers, and the application of coursework in real-world settings.



Employers are also encouraged to provide skill-based opportunities that support professional development and talent retention, attract and develop a talent pipeline, and leverage young people's innovative and diverse ideas.

Visit www.futureforward.org to learn more and start connecting today!

[Learn More](#)

Save the Date

Minnesota MATHCOUNTS State Competition

Get Ready, Get Set For the [Minnesota MATHCOUNTS](#) State Competition March 10-11.



championship. The two days the mathletes spend grappling with factorials, formulas and probabilities are the final step in a journey that will let four of them advance to the national Championships in Orlando, FL.

Competition Day dawns on a hotel full of nervous, vocal middle-schoolers – and parents who may be even more nervous. The competition involves three paper and pencil tests, and a final 'Countdown Round' between the day's top-scoring mathletes. Two by two, the competitors face off and race to answer an announcer's questions. And when it's all over, the four highest-scoring mathletes will advance to national, four will be named alternates, and everyone will return home with good memories.

Teachers and volunteer parents serve as coaches for MATHCOUNTS teams in more than 120 middle schools across the state. Interested in having a Minnesota MATHCOUNTS team at your school, please contact mathcountsmn@gmail.com.



[Learn More](#)

Tech Fest at The Works Museum



Save the date, April 15, for The Works Museum's annual family event celebrating engineering and technology!

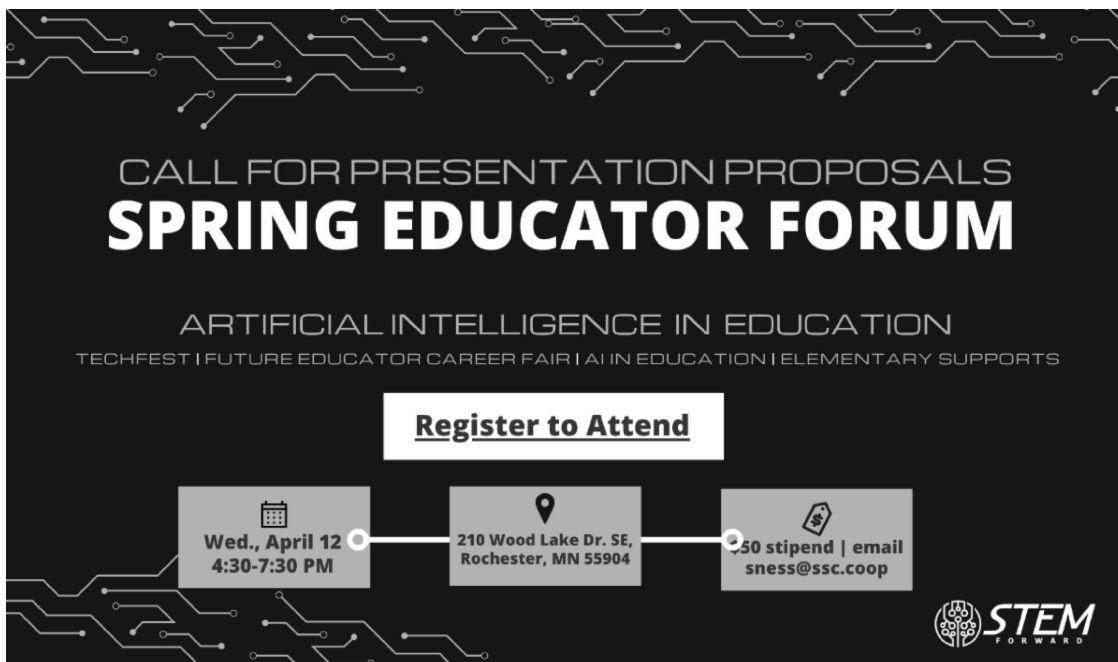
At Tech Fest, partner organizations showcase their work by facilitating hands-on STEM learning opportunities for children and their families. Families explore at their own pace, are immersed in real-world engineering topics, and learn from scientists, engineers, and students in various STEM fields. Visit The Works Museum's [website](#) for updates about Tech Fest and other programs.

Interested in presenting or volunteering? Contact emily@theworks.org.



[Learn More](#)


STEM Opportunities





CALL FOR PRESENTATION PROPOSALS
SPRING EDUCATOR FORUM

ARTIFICIAL INTELLIGENCE IN EDUCATION
 TECHFEST | FUTURE EDUCATOR CAREER FAIR | AI IN EDUCATION | ELEMENTARY SUPPORTS

Register to Attend

 **Wed., April 12**
 4:30-7:30 PM

 **210 Wood Lake Dr. SE,**
 Rochester, MN 55904

 **\$50 stipend | email**
 sness@ssc.coop



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Minnesota State Transportation Center of Excellence - Director of Outreach Position Opening

This position exists to promote transportation career pathways to current and prospective students to ensure that a quality talent pipeline exists at Minnesota State colleges, through direct outreach or managing relationships with partners such as colleges, high schools, industry, and the Minnesota State Transportation Center of Excellence (TCOE) Executive Board. Responsibilities of the position include: Lead career outreach and exploration activities through communication with education and industry partners to promote transportation pathways and careers in Minnesota.

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Girls Who Code Summer Programs Application

Girls Who Code offers two FREE programs in the summer: the virtual Summer Immersion Program and the Self-Paced Program. Applicants can apply for BOTH programs, if eligible, using this application. However, students can only participate in one summer program.

[Read More](#)

 A promotional graphic for the Engineers Week PE Event. It features a dark background with white text. On the right, there is a small portrait of Dave Martini, PE. The text includes the title "The Importance of Licensure:", a subtitle "An update on the state of professional engineering licensure across the U.S.", and "1.0 PDH". Below this, it says "Engineers Week PE Event" and "Tuesday, April 25, 2023". At the bottom, a quote reads: "We all deserve to live in a world where the engineering decisions that impact our lives are made by qualified and ethically accountable professionals."

The Importance of Licensure:

An update on the state of professional engineering licensure across the U.S.

1.0 PDH

Engineers Week PE Event
Tuesday, April 25, 2023

Presented by
Dave Martini, PE
MnSPE Current President
NSPE Past President

"We all deserve to live in a world where the engineering decisions that impact our lives are made by qualified and ethically accountable professionals."

Engineers Week PE Event with special invitation for newly licensed PEs - 1.0 PDH

The Minnesota Society of Professional Engineers is inviting all newly licensed professional engineers (PEs) to a community welcome event on Tuesday, April 25. This event is open to all.

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 A banner for the ITEEA's 85th Annual Conference. The background is a grayscale image of a modern bridge with a city skyline in the distance. Overlaid on the image is a gear-shaped logo with "ITEEA MINNEAPOLIS" and "APRIL 12-15 2023". Below the logo, the text reads "ITEEA's 85th Annual Conference", "Minneapolis, Minnesota", and "APRIL 12-15, 2023". At the bottom, it says "Learn it, Try it, Teach it!" and "STEL Experiences to Advance Our Profession".

ITEEA MINNEAPOLIS
APRIL 12-15 2023

ITEEA's 85th Annual Conference
Minneapolis, Minnesota
APRIL 12-15, 2023

Learn it, Try it, Teach it!
STEL Experiences to Advance Our Profession

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Minnesota State Science & Engineering Fair | Saint Paul RiverCentre

Each year, hundreds of middle and high school students from across Minnesota present original research to science, technology, engineering and mathematics professionals and compete for prestigious awards. Top students are selected to compete at the International Science and Engineering Fair.

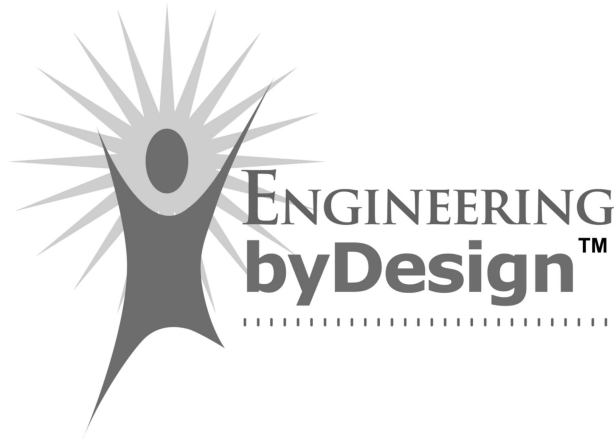
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Summer Camps at Science Museum of Minnesota

Explore summer camp subjects and learn about reservation openings at the Science Museum of Minnesota for the 2023 camp season.

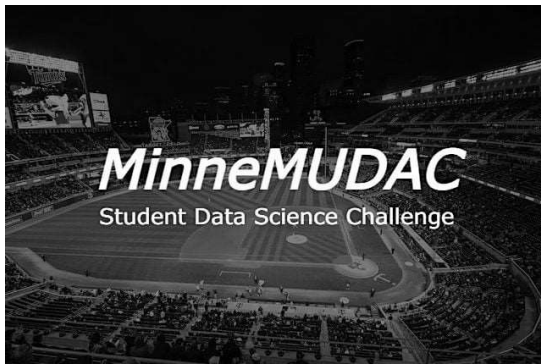
[Read More](#)



2023 MN Engineering byDesign Summer Institute

The Summer Institute has been developed to complete your EbD certification training. The MN EbD Summer institute will enable you to become a certified Engineering byDesign Teacher. The training will give you an in depth experience of the curriculum you wish to teach.

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MinneMUDAC 2023: Student Data Science Challenge

Student Data Science Challenge Inviting teams of graduate and undergraduate students to explore real-world data while enhancing and showcasing their skills About this Event This experiential learning opportunity invites teams of graduate and undergraduate students to explore real-world data while enhancing and showcasing their skills.

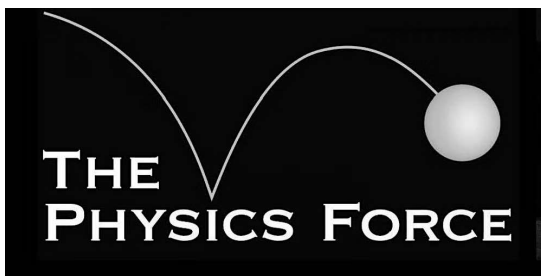
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Spotlight Science: Uncovering Ancient Climate - Bell Museum

Spotlight Science is a regular program connecting you to current science conducted at the University of Minnesota and in our community. Join researchers, students, and special guests for conversations and unique interactive experiences.

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Physics Force Shows - Rochester 2023

Discovery Days: Women in Science | The Bakken Museum

Get inspired by women using science, technology, and the humanities to make the world a better place. Join us for a family-focused event featuring hands-on activity tables, interactive experiments, and demonstrations by community partners. Event highlights include: See how clinicians from Gillette Children's Specialty Healthcare use technology to customize patient care, creating personalized prosthetics and orthotics.

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Girls Explore Science: Springtime Spectacular on April 19, 2023

The University of Minnesota's Physics Force is Coming to Rochester! We invite you to the 2023 University of Minnesota's Physics Force Rochester Shows at the Mayo Civic Center. The show dates and times (Each show is 60-75 minutes long) Thur. May 11: 10:00 am, 12:30 pm Fri.

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The weather is warming up and it's time for science and adventure to bloom! Visit the aquaponics system in Dodge's greenhouse and create your own mini hydroponic plant system. Learn about the science of migration and practice spotting birds in flight and hidden in plain sight.

[Read More](#)



2023 Summer Camps at the Works Museum

Engage your kids in science and engineering summer camps at The Works Museum! Featuring new camps each season, as well as favorites like LEGO Robotics, Code Camp, architecture, and more. Our summer camps for kids at The Works are ideal for girls and boys ages 5-13.

[Read More](#)



Depot STEAM Festival 2023 - Perfect Duluth Day

The STEAM Festival is a community event focusing on science, technology, engineering, art and mathematics. Denfeld DNA and 3-D Robotics will be there with mechanical magic. There will be a mix of hands-on stations, displays and demonstrations from various STEM and cultural organizations. Kids will be encouraged to engage in experiments and art projects, interact [...]

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SciMathMN | 2038 Ford Parkway, #299, Saint Paul, MN 55116

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