

Stage show performances at the USA Science & Engineering Festival Expo are sure to dazzle and inspire attendees! Listed below are some of our past performer highlights over the years at the Expo!

NOTE: These are past performances. The 2018 Stage Performances have not been announced.

Bill Nye the Science Guy Takes You Deep Inside the Fascinating and Entertaining World of Science!

Bill Nye - scientist, engineer, comedian, author, and inventor - is a man with a mission: to help foster a scientifically literate society, and to help people everywhere understand and appreciate the science that makes our world work. But making science both understandable and entertaining is something Bill has been doing much of his life, starting with his studying under the great Carl Sagan in college and later working as a stand-up comedian.

Curious About Space? With Emily Lakdawalla and Bill Nye the Science Guy!

Is there life out there? Are we alone? How did we get here? Why are Venus and Mars so different from Earth? Could we suffer the fate of the dinosaurs? What are the questions that motivate space exploration, and what are we doing to answer them?

Emily Lakdawalla will take you on a tour of Earth's active missions to the planets, and show you stunning photos that they have sent back in order to answer our questions about our place in the universe.

Sleight-of-Hand: Explore the Science of Illusion by Apollo Robbins

His act is so smooth and benign that *Forbes* magazine calls him the "artful manipulator of awareness." Adding to the reputation of this maestro of the sleight-of-hand is the fact he once picked the pockets of the Secret Service while he entertained a former President! Known as "The Gentleman Thief" he handles his participants in a non-intrusive way, without embarrassing them, often giving his audience a behind-the-scenes view.

The Science of Football: Fascinating Insights From a Scientist Who Studies the Game, and a Mathematics Genius Who Plays It! by Dr. Ainissa Ramirez and John Urschel

Ramirez and John Urschel

In this unforgettable stage show, titled “The Physics of Football,” you’ll discover from **Ainissa Ramirez**, Ph.D., a leading scientist who studies the game, why football is more than just a battle of will. It all boils down to which team uses the science of force, motion, energy and other elements the best, she says!

You’ll also meet and hear Penn State football standout, **John Urschel**, a first-team All Big Ten lineman --and an NFL draft prospect for 2014 -- who is known not only for his prowess on the field, but also for his achievements in the classroom as a phenomenal math scholar. John graduated from Penn State with a degree in mathematics in just 3 years with a perfect 4.0 GPA – and that’s only just one of his rare accomplishments in math!

Breaking the 'Math Nerd' Stereotype Among Girls by Danica McKellar

In her mission to inspire and encourage middle school and high school girls in math, and to break the typical stereotype of the “math nerd,” **Danica McKellar** certainly has the qualifications to help kids take notice.

She is best known for her acting roles in TV’s *The Wonder Years*, and *The West Wing*, and is also a three-time New York Times bestselling author and an internationally-recognized mathematician in her own right.

SICK Science – Making Science Fun with Steve Spangler

More than 180 million people watch Steve Spangler’s SICK Science YouTube videos to find inspiration for making science fun. He’s a best-selling author, two-time Emmy winner and holds a Guinness World Record for conducting the world’s largest science experiment. Steve is a frequent guest on the *Ellen DeGeneres Show* where she dubbed him *America’s Science Teacher*. Come experience some of Steve’s favorite experiments from his past 25 years on television as you learn the secrets to making science fun at home.

Watch Video (link to video page)

Live from the International Space Station:

A Conversation with Astronaut Jeff Williams

NASA Astronaut Jeff Williams, who was on the space station in April of 2016, was joined here on Earth by former astronaut Greg Johnson and special guests Cree Cicchino and Madisyn Shipman from the hit Nickelodeon show *Game Shakers*. Learn about science and technology research happening right now on the ISS National Laboratory and resources that you can explore at home to connect with space.

Watch Video (link to video page)

Mars or Bust

With Former NASA Chief Scientist Ellen Stofan

Will YOU be among the first humans to set foot on Mars? NASA's Chief Scientist Ellen Stofan has an overview of NASA's journey to Mars, with the goal of putting humans on the Red Planet in the 2030s. How will we get there and what are the unique challenges of living on Mars? Will we grow potatoes as Mark Watney did in 'The Martian?' Dr. Stofan breaks it down, takes your questions, and explains how YOU can get involved in the mission of a lifetime.

Watch Video (link to video page)

Grammy Award-Winners 'They Might Be Giants'

Not too many bands today can boast a 30-year career, let alone a career that includes 16 studio albums (including four beloved albums for children), two Grammy Awards, and a history of embracing science and other emerging technologies. But that's the genius and success of the amazing alternative music band, **They Might Be Giants, aka TMBG**.

Watch Video (Link to Video Page)

'Massively Cool' Innovative Engineer and Entrepreneur Elon Musk!

He's best known for creating SpaceX (producer of such premiere space launch vehicles as the Falcon 1 and Falcon 9 rockets), co-founding PayPal (the world's largest internet payment system), and for inventing what is arguably the first viable production electric car of the modern era (the Tesla Roadster).

Mayim Bialik of The Big Bang Theory - A Real-Life Scientist!

Mayim Bialik has not only made a name for herself in the entertainment business, she is also a trained neuroscientist and has put this career to good use in the role she portrays in the Big Bang Theory.

ENERGIZE STEM...Using The Superpowers Of Hip-Hop Music And Kinesthetic Learning Grand Hank

ENERGIZE STEM...Using The Superpowers Of Hip-Hop Music And Kinesthetic Learning to inspire students to achieve their maximum learning potential in STEM, Grand Hank's creative, out-of-the-box approach provides audiences with first-hand strategies and techniques through *Event-Based Instruction*. This high-energy, interactive presentation is designed to pique the interest of students and create a winning formula to help move students towards careers in STEM.

Actor Wil Wheaton and STEAM

Wil Wheaton is known by millions for his recurring role in the *Star Trek: The Next Generation* series, and as the “evil” version of himself on *The Big Bang Theory*. Wil got his first big breakthrough in Hollywood with the Rob Reiner coming-of-age film *Stand by Me* in 1986. After that, his recurring character Wesley Crusher on *Star Trek: The Next Generation* determined the trajectory of his career as a sort of champion for nerd and computer geeks everywhere. This image has perpetuated through his online presence on his blog, in gaming communities and through a recurring role the Evil Wil Wheaton on *The Big Bang Theory*. A self-described nerd and techie, Wil is serving as a role model for geeks and science lovers worldwide with his eternal message: Science is cool! Stay tuned for more details on his appearance at the Expo!