

Bett STEM EXPO

Science Technology Engineering Math

Saturday
Jan. 27, 2018
11 am - 2pm

Bettendorf Middle School
2030 Middle Rd, Bettendorf

INTERACTIVE DISPLAYS for KIDS

- Forensics
- Birds of Prey
- Chemical Reactions
- Airlock Dome
- Dissecting Pig's Heart
- Search & Rescue Dogs
- Fire Protection Fluid
- Fossils, Rocks and Minerals
- Hovercrafts & Science Toys
- Make Your Own Ice Cream
- Ambulance & Paramedics
- Meteorology with Andy McCray
- Nuclear Energy
- Owl Pellet Dissection
- Pigment of Your Imagination
- ISU's New Solar Car
- Renewable Energy
- Tropical Rainforests
- Veterinary Science
- Virtual Anatomy
- Your Brain & Nervous System



Science FUN for the
whole family . . .
and it's **FREE!**
Public Welcome!



Special Guest
Bettendorf Community Schools Foundation
2018 Visiting Science Scholar
Dr. Ryan Goff
Biomedical Engineer
BHS Class of 2005



STEM EXPO EXHIBITS

Partial list of exhibitors

212 STEAM Labs -
Come check out the
212 STEAM Labs exhibit!

Augustana Geology: Fossils, Rocks & Minerals - Discover the world below our feet and learn about fossils, rocks and minerals with the Augustana Geology club.

BHS Science Club - The Bettendorf High School puts on quite a show and will amaze you with the many science experiments they demonstrate!

BMS Science Community - The Bettendorf Middle School Science Club will demonstrate chemical reactions such as elephant toothpaste, dry ice and electromagnetism. Check out tomorrow's science superstars!

Birds of Prey - Learn all about birds of prey from Dave Murcia and get a close look at live raptors from the Wapsi River Environmental Education Center!

Brains - A new exhibit this year by neurosurgeon Dr. Purighalla explores brains.

Cybersecurity - A new exhibit unearths the secrets of cybersecurity!

DNA Extraction - Learn all about DNA and even make a necklace out of your own DNA to take home with you!

Discovery Dome - Discovery Dome is an air-lock dome that simulates space age technology — you'll get an "out of this world" experience! Whether it's soaring through the galaxy or driving monster trucks on the moon, the Discovery Dome will take you on a journey not possible anywhere else.

Dissecting Pig's Heart - Meet Dr. and Dr. Lightfoot and watch as they dissect and explore a pig's heart!

Emergency Response K9s - Meet trainers Bill and Lois Hall and their amazing search and rescue dogs, who will demonstrate their incredible skills for you!

Fire Protection Fluid (3M) - 3M has discovered a fire protection fluid that prevents paper from starting on fire, which Eric Funk will demonstrate. You have to see this to believe it!

Forensics - Detective Tim Doty, Bettendorf Police Department, will show you how to solve crimes using forensics!

Green Infrastructure - Where does water go after it rains and how can we keep our environment safe? Learn more about it at Green Infrastructure.

Hovercrafts & Science Toys - Ride a hovercraft around the Bettendorf Middle School gym and learn how they work! Aeronautical engineer and hovercraft designer Bob Windt will bring other science toys as well!

Jr Medical School - University of Iowa medical students explore laparoscopy and plastinated human specimens.

Lego Robotics - BHS student Ty Callahan will share his amazing Lego Robotics creations!

Make Your Own Ice Cream - Don't miss this chance to make your own ice cream with a local Girl Scout troop!

Many Hats of a Park Ranger - Have you ever wondered what a park ranger does? Find out at the Many Hats of a Park Ranger.

Medics - Tour an ambulance and meet paramedics!

Meteorology - Meet Channel 4 WHBF meteorologist Andy McCray who will explain how weather forecasting works!

Nuclear Energy - Nuclear engineers from Exelon explain what nuclear energy is through a fun, interactive exhibit!

Owl Pellets - Back by popular demand - owl pellet dissection!

Pigment of Your Imagination - Figge Museum's Laura Wriedt explains the science of art in the Pigment of Your Imagination.

PriUSm Solar Car - Check out Iowa State University's latest solar car, the Penumbra!

Renewable Energy - This fun, interactive exhibit explores many types of renewable energy.

Reptiles - Meet some reptiles and discover what makes them so important to our ecosystem.

River Bandits - Rascal - Look for the River Bandits mascot Rascal!

SAU Chemistry Club - The St. Ambrose Chemistry Club will share several chemistry experiments with you!

Science of Sports - Did you know science can improve your throwing arm? Learn all about it at Science of Sports!

Tropical Rainforests - The Quad Cities Botanical Garden brings the tropics to you! Explore the many plants that live there.

Veterinary Science - Learn about what a veterinarian does and meet many of the animals they take care of, visit the Animal Care Veterinary Care Center's exhibit.

Virtual Anatomy - Take a look inside your body through virtual dissection with St. Ambrose University physical therapy students!

World of Wax - What is that stuff in your ears? This hands-on exhibit is a fun way to discover everything you've ever wanted to know about hearing!

Your Brain & Nervous System - Palmer Chiropractic students will teach you all about your brain and nervous system.

