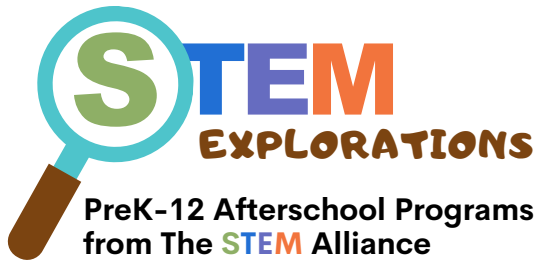


OUR EXPERTISE / YOUR LOCATION



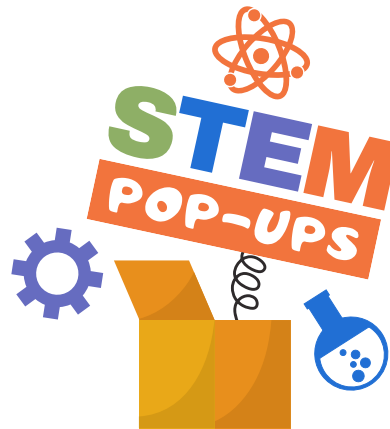
The STEM Alliance offers enrichment programs for Pre-K to high school which range in duration from 6 - 12 weeks. Programming includes:

- Robotics
- Chemistry
- Physics
- Space Exploration
- Engineering
- Sustainability
- Girls-only & other affinity groups
- Modifications for special needs

Please see the full list of our current offerings taught by our STEM educators.

CONTACT:

Margie Wolf, Senior Manager,
Program Coordinator
mwolf@thestemalliance.org



Workshops & Events for All Ages from The STEM Alliance

We offer curriculum for all ages in a variety of formats:

- Vacation day camps
- Special event programming
- A fundraiser for your school or organization

Or consider hosting a *Tinkering Night* for adults and children. These hands-on STEM workshops encourage families to experiment together.

For Grades K-2 & 3-5. Themes include:

- Electricity
- Magnetism
- Sight & Sound
- Simple Machines
- Engineering



Have an idea? We can craft a Pop-Up experience especially for you!



The STEM Lab Experience brings STEM enrichment to your on-site STEM Lab. The programs are immersive, multi-week explorations designed to increase students' understanding of STEM concepts through hands-on, in-depth projects based on authentic challenges. Using professional tools and techniques from various scientific and engineering disciplines, students will:

- Work in small teams and develop collaborative skills
- Learn to work with new technologies and equipment to further their learning
- Design and conduct experiments

Along with our comprehensive education services, our consulting services can help you transform your existing workspace or floor plan into a brand new STEM Lab ready to launch enhanced learning experiences.

Program Descriptions

Program durations vary from 6 - 12 weeks
 Contact us for pricing and special requests



Discovering STEM

Introduction to Science, Technology, Engineering & Math principles for young scientists in training, designed to tap into critical thinking skills with an emphasis on collaboration, innovation and creativity.

KEY TOPICS: STEM, Biology, Chemistry, Coding, Recycling, Nutrition



STEM Ever After

Storybooks come to life with hands-on art and science projects based on classic tales.

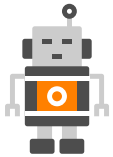
KEY TOPICS: STEM, Literature, Art



Space Exploration

From young learners to middle schoolers, space is everyone's favorite topic! Choose from three levels of Space Exploration curricula designed to engage, entertain and inspire.

KEY TOPICS: STEM, STEAM, NASA, history, Biology, Astronomy, Physical Education, Nutrition



Intro to Robotics

We offer various levels of robotics exploration with hands-on Robotics, bee-bot, and Dot & Dash.

KEY TOPICS: Technology, Robotics, Coding



It's Electric

Learners light up as they explore and electrify bulbs and simple robots through their work with battery powered circuits.

KEY TOPICS: STEAM, Physics, Engineering



Stop-Motion

For students who love to tell stories! Become filmmakers and learn the cool tricks that make animation fun.

KEY TOPICS: Digital Technology, Applications, Design, Art



Program Descriptions

Program durations vary from 6 - 12 weeks
Contact us for pricing and special requests



Digital Design

From stop motion to digital art and design projects, artists will merge their natural creative spirit with the wonders of technology during weekly digital and design and animation projects.

KEY TOPICS: Technology, Design, Art



STEM Superheroes

Learn about historic inventors and innovators who solved real world problems to become real-life STEM SUPERHEROES!

KEY TOPICS: History, Art, Architecture, Coding, Physics, Chemistry



PixPro

How do photographers use cameras and digital tools to tell stories? Have students explore their creativity through photography, while learning the basics of how to use a camera.

KEY TOPICS: Photography, Design, Art



Engineer the World

Engineers will get to work on the most basic challenge of engineering: getting things to stand strong! Bridges, buildings, domes & more. Girls should grab their hardhats too to bring creative learning and fun to this hands-on, high action class.

KEY TOPICS: Engineering, Physics



Inside Out

See, touch and explore! This hands-on, introductory anatomy class will help students comprehend biological systems of plants, animals and human function that are sometimes surprisingly similar

KEY TOPICS: Dissection, Biology, Lab Skills



Website Design

Future entrepreneurs and aspiring designers alike will learn the tech skills needed to launch their ideas visually, learning how to structure a site or design an online portfolio.

KEY TOPICS: Digital Technology, Applications, Design, Art



Program Descriptions



Chemistry Chaos

Students will be able to use chemicals while learning about the science behind reactions, properties, composition, and structure of elements and compounds.

KEY TOPICS: Chemistry, Lab Skills



Intro to Advanced Robotics

Introducing robotics to older learners who have not experienced robotics or coding using SPIKE Prime with more advanced coding challenges.

KEY TOPICS: Technology, Design, Art



SPECIALTY PROGRAMMING

Girls DO STEM

A Series of Girls-Only Workshops from The STEM Alliance

Fun girls-only workshops designed to empower girls and keep them interested in STEM. Sessions can be tailored to your needs (eg, afterschool, vacation camps, summer, etc.)



Girls DO SCIENCE

Upper Elem - High School
Discover what it's like to be a scientist through creative exploration



Girls DO TECH

Lower Elem - High School
Learn new skills mixing technology and design in robotics, coding, and more



Girls DO ENGINEERING

Upper Elem - High School
Explore collaborative hands-on projects in architecture and design



Girls DO MATH

Upper Elem - Middle School
Dive into fun, experiential learning to inspire confidence and instill a love of math



Hands-On Learning for Parents & Kids from The STEM Alliance

Tinkering is the perfect way to introduce children to STEM. These evening workshops are designed to encourage parents and students to learn alongside each other with engaging, hands-on activities that will spark imaginations and inspire creativity!

For Grades K-2 & 3-5 & parents

Themes include:

- Electricity
- Magnetism
- Sight & Sound
- Simple Machines
- Engineering



Summer & Vacation Camp Programs for PreK-12 from The STEM Alliance

Add STEM enrichment to your camp!

All of our STEM enrichment activities can be booked for Summer and Vacation Camp programs. Whether a single day Pop-Up experience, an ongoing weekly STEM major for your existing camp, an all-girls workshop, or a special event, we can tailor a program and schedule to your needs!

CONTACT:

Margie Wolf, Senior Manager,
Program Coordinator
mwolf@thestemalliance.org