



STEM Science Kits



DO-IT-YOURSELF FUN

Our DIY lessons are a flexible and affordable way to add science programming to your after-school or summer program. All lessons are ready-to-teach--individually bagged for each student--including instructor materials. Follow our step-by-step instructions and pre-recorded videos for each experiment. You supply the FUN, we'll supply the SCIENCE!



Do you want STEM-based science at your after-school or summer camp program?

Consider partnering with us!

Why us?

Science Explorers has brought STEM-based programs to schools since 1999. We specialize in customizing DIY science enrichment programs that align with science standards. The best part? All of our programs are eligible for 21st Century grant funding.

Interested? Contact Us:

Phone: 610-816-5047

Email: programs@scienceexplorers.com

Choose Your Kit - Choose Your Class Size

25 Students

30 Students

35 Students

Essential STEM Kits

\$375

25 sets

\$450

30 sets

\$525

35 sets

- **Catapult Craze** — Simple machines & levers
- **Secret Colors** — Chromatography & color science
- **Tall Towers** — Structural engineering

- **Fantastic Fizz** — Chemical reaction rockets
- **Good Vibrations** — Sound energy & waves
- **Water Rules** — Cohesion, adhesion & surface tension

Advanced STEM Kits

\$395

25 sets

\$475

30 sets

\$555

35 sets

- **Awesome Air** — Air pressure & Bernoulli's Principle
- **Blood is Thicker than Water** — Human body & blood sci...
- **Extreme Storms** — Weather & meteorology
- **Polymer Magic** — Super-absorbent polymers
- **Rockin' Rainbows** — Light, refraction & spectrum

- **Blast Off** — Newton's Third Law & rockets
- **Dot Dash Dot Dot** — Circuits & Morse Code
- **Polar Opposites** — Density, polarity & lava lamps
- **Take a Deep Breath** — Respiratory system model

Premium STEM Kits

\$425

25 sets

\$510

30 sets

\$595

35 sets

- **Bag of Tricks** — Science "magic" experiments
- **Ready, Set, Summer!** — Sand, bouncy balls & chalk
- **Sunny Slime** — UV light & color-changing slime
- **Savvy Circuits** — Electricity & motorized inventions
- **Art with a Spin** — Spin art & energy transfer

- **Bubble Blast Bonanza** — Chemistry & surface tension
- **Slime Time** — Non-Newtonian fluids & chemistry
- **Matter Monsters** — Exothermic & endothermic reactions
- **Fossil Safari** — Paleontology & fossil casting

Order 4+ Kits & Save 20%

Discount applied to your entire order

Ready to Order?

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30 sets

\$525
35 sets

Catapult Craze

Discover how simple machines help us do work with less effort. Dive into the science of levers through hands-on experimentation and build your own catapult. Test how far it can launch pompoms, then improve your design to make it work even better.

Fantastic Fizz

Explore science by launching film canister rockets using fizzy chemical reactions. Learn how different ingredients and amounts change the speed of the reaction—and how high your rocket can fly.

Secret Colors

Utilize the special separation procedure of chromatography to reveal all the colors that make up different kinds of candy, Kool-Aid, and markers. Learn how scientists separate mixtures and investigate the hidden colors that make up what you see. Record your results like real chemists.

Good Vibrations

Learn how sound is a type of energy that travels in waves. Through fun hands-on experiments, you'll discover how sound moves through solids, liquids, and gases. You'll build cool projects like a clucking cup and a screaming balloon to see how vibrations create sound.

Tall Towers

Investigate how different shapes help make buildings strong and stable. Then, use what you've learned to design and build the tallest, strongest tower you can. It's all about problem-solving, testing ideas, and thinking like an engineer.

Water Rules

Experiment with the amazing properties of water. Explore how water sticks to itself (cohesion), sticks to other things (adhesion), and how surface tension lets it hold together in surprising ways. You'll even discover how water can move through tiny spaces using capillary action.

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Awesome Air

Explore the science of air pressure with Bernoulli's Principle. See how moving air can create different pressures that make things lift, fly, or stay balanced. Discover how air pressure works in real life—like how it helps airplanes fly.

Blast Off

Witness Newton's Third Law of Motion in action. Learn that for every action there is an equal and opposite reaction by having a balloon rocket race. Then, use the power of air to build and launch your own stomp rocket, testing how forces work to make it fly.

Blood is Thicker than Water

Take a journey through your bloodstream! You'll investigate the science behind blood—what it's made of and how it helps your body stay healthy. Learn about red blood cells, white blood cells, platelets, and plasma, then make a model that represents the different parts of blood.

Dot Dash Dot Dot

Become an electrical engineer and build your own circuit. Learn how electricity flows to power a device that lets you send messages using Morse Code—a special language made of dots and dashes. Test your coding skills by sending secret messages that your friends and family can decode.

Extreme Storms

Hang on tight as you, the meteorologist, explore extreme weather events. You'll use science to create a model rain cloud and see how clouds hold water. Investigate sound waves by building a thunder cup that amplifies sound. Then, experiment with air and forces to make your very own tornado in a bottle.

Polar Opposites

Experiment with density and polarity to understand how different liquids behave. Then, use what you learned to create colorful lava lamp test tubes that use a chemical reaction to show how gases travel through liquids.

Polymer Magic

Experiment with special polymers that can absorb 300 times their weight and make water disappear before your eyes. Conduct fun experiments to learn more about this very special substance.

Take a Deep Breath

Explore biology, air pressure, and human body systems through hands-on science. Learn how your body uses the respiratory system to bring in oxygen and remove carbon dioxide. Then, use your engineering skills to build a working lung model that shows how air pressure helps your lungs inflate and deflate.

Rockin' Rainbows

Discover how light travels, bends, and separates into different colors to create a rainbow. Learn about reflection, refraction, and the visible spectrum through hands-on experiments. Then use special absorbent polymers to make your very own rainbow in a tube. It's a fun way to explore physics, color, and the science of light.

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30 sets

\$595
35 sets

Bag of Tricks

Use science to perform amazing experiments—like inflating a balloon inside a bottle using air pressure, making liquids change color through chemical reactions, and exploring surprising forces that seem to defy gravity. Learn the science behind each “magic” trick and discover how science makes the impossible possible.

Bubble Blast Bonanza

Discover the science behind fun, soapy spheres we call bubbles. Learn how chemistry and surface tension work together to create strong, long-lasting bubbles. Mix up your own bubble solution using a special ingredient that holds onto water and makes giant floating bubbles.

Ready, Set, Summer!

Investigate the properties of different substances as you explore how sand behaves, experiment with polymers by creating your own bouncy balls, and learn about chemical reactions while making colorful sidewalk chalk.

Slime Time

Dive into chemistry as you create two kinds of slime while learning about non-Newtonian fluids that don’t act like regular liquids or solids. Discover how cross-linking between molecules changes the slime’s texture and behavior. It’s hands-on science that’s stretchy, squishy, and super fun.

Sunny Slime

Seeing is believing! Discover how ultraviolet (UV) light—an invisible part of the light spectrum—can make special materials react and change color. Then use UV light to activate color-changing slime.

Matter Monsters

Become a chemist as you experiment with an exothermic reaction that releases heat and endothermic reactions that absorb heat. You’ll create an exciting chemical reaction to make a “monster” that changes states of matter right before your eyes.

Savvy Circuits

Calling all inventors! Explore the science of electricity by building a simple circuit and testing different materials to find out which ones are conductors and insulators. Use what you’ve learned to design and build your very own motorized invention.

Fossil Safari

Become a Paleontologist and travel back in time to learn how fossils form and what they tell us about ancient plants and animals. Make your own cast fossil and identify a collection of marine fossils that are millions of years old.

Art with a Spin

Combine science and creativity in a hands-on engineering project. Build your own spin art machine to create colorful art while exploring concepts like circuits and energy transfer.

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