

2026-27 STEM TRUNK PROGRAM

#DuPageROESTEMSquad

- DuPage districts or schools may borrow Trunks for up to two weeks, on a first come, first served basis.
- Delivery and pick up of Trunks is arranged and completed by a STEM Squad member.
- There is NO Cost to the schools for this service.
- Trunks are equipped with necessary supplies including activity and teacher guides. Electronic devices, if required, are not included.
- Email Michael Heinz for more information and to schedule, mheinz@dupageroe.org

24 Game – Double Digits

Suggested for Grades: 4 - 12

Add, subtract, multiply, or divide the numbers on the selected card to make the number 24, only once using the numbers on the card.



Blokus

Suggested for Grades 2 - 12

Place as many of your pieces on the board while blocking other players. A game of strategy!



BoxLox

Suggested for Grades 2 – 12

The Engineering Design Process is at the heart of this activity. Plastic clips of different colors and shapes are used to connect cardboard pieces. Challenges, directions and materials can be adjusted to grade levels.



Buildzi

Suggested for Grades: 1 - 12

Use this stacking game 7 different ways to build towers while developing STEM skills and team building.



Circuit Maze

Suggested for Grades 2 - 12

Create electrical circuits that light up beacons and develop reasoning skills while learning principles related to circuits and electricity.



Cubelets

Suggested for Grades PreK - 12

Combine pre-programmed, modular blocks to make a robot. Emphasizes computational thinking, problem solving, and design thinking.



Earthquake Technologies

Suggested for Grades 2 - 8

Work individually or in teams to assume the role of engineers to create and improve building designs to make them more earthquake resistant.



Gravity Maze

Suggested for Grades 2 - 12

Use reasoning and visual perception skills to design towers and create gravity-powered paths for marble to reach the target.



K.E.V.A. Planks

Suggested for Grades K - 12

Use wooden blocks to create art, ball-runs, towers, and bridges, while learning and applying principles of design, measurement, patterns, and dimensions.



Laser Maze

Suggested for Grades 3 - 12

Direct the laser through mazes to reach the target. Strengthens thinking, problem solving and inferencing skills. **Caution when using laser.**



Match Madness

Suggested for Grades K - 12

Outpace and outsmart your opponents by being the first to create the pattern on the card. Other game ideas included.



Match Madness Junior

Suggested for Grades K - 2

Develop observation, dexterity, and logic as patterns are recreated.



RVR+ Robot

Suggested for Grades 6-12

Tackle challenges with block-based coding in the Sphero Edu app and move to text programming. Connect with third-party hardware for mobile robotics and activities.



SET Dice

Suggested for Grades 1 - 8

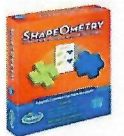
Use dice to make sets of shapes, numbers, or colors, or dice that are all different. Play the games included or create your own!



Shape-O-metry

Suggested for Grades 1 - 12

Build skills, strategies, and mathematical understanding while completing guided challenges.



Snap Circuits – Green Energy

Suggested for Grades 2 - 12

Learn electronics and explore topics related to alternative energy as you complete projects.



Snap Circuits – Light

Suggested for Grades 2 - 12

Use various components to create light and sound effects using the projects in the booklet or create your own.



Tenzi

Suggested for Grades 1 - 12

Each player rolls their ten dice until all one or more players gets all their dice on the same number.



Turing Tumble

Suggested for Grades 2 - 12

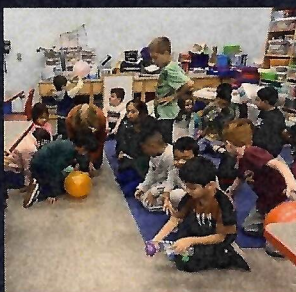
Players build mechanical computers powered by marbles to solve logic puzzles.



The DuPage Regional Office of Education Presents

2026-27 STEM - IT'S ELEMENTARY!

Enjoy the glimpses of some of our work in DuPage County.



Questions?
Contact Linda Korbus at
lkorbus@dupageroe.org

Amber Quirk
Regional Superintendent
DuPage County Schools

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The DuPage Regional Office of Education STEM Squad is excited to offer this program designed for K-5 teachers in DuPage County. There is **NO CHARGE** for this program! The program engages teachers to help plan a lesson on a topic listed below. STEM Squad members will present the lesson to the teacher's students during the school day. After the initial session, teachers will have the opportunity to provide feedback and to schedule another session. During the second session the teacher will take the lead while the STEM Squad members will be there to provide support. For any subsequent presentations, teachers may request the use of STEM Squad supplies.

Offered throughout the school year, these lessons can be scheduled at a time that best matches your classroom work. We will do our best to accommodate your schedule, however, please note that we work on a first come, first served basis. Lessons must be scheduled at least three weeks in advance.

The lessons are designed to align with standards, complement the work teachers are doing in their classrooms, and to serve as a starting point for the development of additional lessons. This year's offerings include the following.

Survivor Students will learn about structure design as they build shelters from simple materials that can withstand rain, wind, etc.	It's Crystal Clear: STEM Matters Students grow borax crystals to exemplify the states of matter; they will physically model the 3 states of matter with their movement. Facilitators will discuss the states of matter before and after the activities.
Make Your Own Music By constructing and testing a harmonica, and percussion instruments, students will learn about vibration and sound.	Morphing Models A variety of designs can be made from the exact same materials. Students will use materials such as Keva planks and Box Lox to demonstrate this concept.
Electrifying Energy Students will learn about simple circuits and electrical energy by using snap circuits, circuit mazes, and energy balls and sticks.	Metric Olympics By participating in activities such as the paper plate discus and drinking straw javelin throw, students will learn about and practice measurement and data collection.
Numbers: Mystery Solved Numbers can be mysterious until we realize they say so much. Students will use Tenzi dice and colored blocks to solve the mystery of numbers and what they tell us.	WOW! Reflecting on Symmetry Tie symmetry into their world! Using kinesthetic and observational activities, your students will learn to identify examples of linear and rotational symmetry all around them.
Attracted to STEM Students will learn about the attractive and repulsive forces exerted by magnets through a number of hands-on activities.	Bad Rainbows Go to Prism Students will use colored lights to investigate the additive, reflective, and absorptive nature of different colors of light. They will also investigate the nature of light as a wave.

THE DUPAGE REGIONAL OFFICE OF EDUCATION 2026-27 STEM OUTREACH PROGRAM

Program Highlights

- Sessions are conducted by DuPage ROE STEM Squad members at your junior high or middle school.
- Each after-school session runs about one hour, but time can be adjusted to fit your schedule.
- One or two of the school's teachers must be present to assist and will be paid a modest stipend.
- All supplies provided.

Questions?
Contact Namrata Pandya
npandya@dupageroe.org



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The DuPage Regional Office of Education ROE STEM Outreach Program engages DuPage middle and junior high school students in informal, after-school STEM learning activities designed to increase STEM-related interest and skills. These opportunities also assist schools as they develop their own after-school STEM Clubs and events. This program is offered at NO COST to the schools!

If you schedule and need to cancel for any reason, we request a 48-hour courtesy notification.

Email: Namrata Pandya - npandya@dupageroe.org for more information or to schedule.

2026	Bubble Mania Students will create soap bubbles and observe them. They will experiment with different mixtures and wands to create different types of bubbles: long-lasting, compound, large. Offered: Sept. 22, Sept. 24, Sept. 29	Catapults After a short discussion of catapults, students will follow a schematic to build a PVC catapult. In small groups, they will experiment with launch angles, and projectiles as they attempt to hit targets. Requires the use of a large open space or hallway. Offered: Oct. 13, Oct. 15, Oct 20
	Binary Beams Did you know your emails, texts, videos, and online games can travel as flashes of light ? Computers turn information into 1s and 0s and send it through fiber optic cables at incredible speeds—across towns, countries, and even oceans! Try it yourself! Learn how to send messages through fiber optic cables using a laser pointer . Offered: Nov. 10, Nov 12, Nov 17	Cubelets Use these SMART building blocks (Cubelets) to create countless robot constructions with the help of three basic types of Cubelets; one that senses, one that thinks, and one that acts. Offered: Dec. 8, Dec 10, Dec 15
2027	Make It Move How can you make a car move, without an engine? Would Newton's Laws apply to a balloon car? Try building a balloon car to find out. Then race your car to see which ones go the straightest and farthest. Offered: Jan 12, Jan 14, Jan 19	Stomp Rockets Students will design and construct a paper stomp rocket using the engineering design process. Explore how force, air pressure, and aerodynamics affect the motion of rockets. Use mathematical tools to measure rocket distance, height, and flight stability. Offered: Mar 9, Mar 11, Mar 16
	Algorithm Adventures: Steps, Loops, & Logic Algorithms are like secret recipes for computers! They use steps to follow instructions, loops to repeat things, and logic to choose what to do next. We dare you to follow the steps, byte by byte! Offered: Apr 13, Apr 15, Apr 20	