



VEX
ROBOTICS

extended learning

***Extended Learning,
Powered by Robotics***

Ready-to-run programs that grow
with you, built for real outcomes



Extended Learning, Powered by Robotics means hands-on, high-return STEM engagement with zero extra burden.

Designed to Complement *Your Teaching Expertise*

Extend learning time. Expand student potential.

Why extended learning matters?

VEX Robotics Extended Learning gives students a place to build, explore, and thrive - long after class ends.

Today's students need more than a classroom to succeed. Extended Learning offers space to apply knowledge, explore interests, and build real skills, especially in STEM. Research shows that out-of-school STEM programs boost problem-solving, collaboration, and motivation—giving students the tools they need to thrive in class and in life. But educators are busy, funding is tight, and programs often lack support or scalability.¹

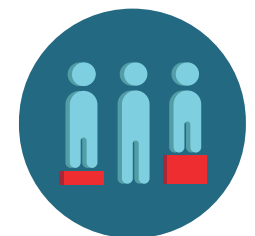
Flexible formats. Familiar staff. Future-ready skills.



More Learning Time



Real-World Skills



Equity Through Access



¹ Informed by reporting from Lauren Camera, "Out-of-School Programs Play an Outsized Role in Child Development," *The 74* (May 29, 2025), and research synthesized in Afterschool Alliance's *America After 3PM* reports, including *Demand Grows, Opportunity Shrinks* (2020) and *STEM Learning in Afterschool on the Rise, But Barriers and Inequities Exist* (2021).

What Makes VEX Robotics *Different?*

Turn-key design. Teacher-friendly. Built to grow with you.

Flexible by Design

Included: lessons, supply lists, and real-world challenges that grow with your team's confidence. No experience needed. Just curiosity.

Programs That Scale to Your Resources

From one classroom to district-wide adoption, VEX Robotics is scaffolded to support your entire system. From Pre-K to career tech. No overhaul required.

Hands-On with a Purpose

Students build, code, and compete, while meeting real standards. No busy work here.

Globally Proven, Locally Empowered

Used in 60+ countries, and fully adaptable to your educators, your schedule, your community.

Participation data based on VEX Robotics platform usage and global competition enrollment, 2024

Competitions + Camps = Built-In Excitement

Many VEX Robotics platforms connect seamlessly to local camps and competitions, bringing motivation to the classroom and beyond.

Which VEX Robotics Platform Fits Your Program?

VEX 123

For early learners, **Pre-K+**. Tactile and perfect for small-group or station-based learning.

VEX IQ

Grades 5–8. Hands-on robotics and coding that foster collaboration and technical skill building.

VEX GO

Grades 3–5. Color-coded, classroom-ready STEM kits that support both creativity and structure.

VEX V5

Grades 9–12. Advanced robotics platform used in classrooms and competitions worldwide.



VEX Camps

Programs That Last

Start simple. Scale smart. Stay supported.



Start fast. Build momentum.

Camps are the lowest-lift way to launch robotics in extended learning. It's one room, with set times and clear outcomes. **camps.vex.com** offers ready-to-run agendas, activities, and "day 1" guidance so any educator can deliver a high-energy experience.

- **Turnkey agendas.** Plug-and-play daily plans, pacing, and materials.
- **Flexible formats.** Half-day/weekly tracks; easy to scale across sites.
- **Clear next step.** Camp experiences convert naturally into clubs and teams.



Download the Camp Toolkit

01

Pick Your Camp Format

Choose from 20+ prebuilt experiences: like robotics races, drone deliveries, or hands-on design challenges, all designed to excite learners across K-12.

Most VEX Camps require VEX hardware (not included).

02

Download Free Tools & Lessons

Get immediate access to VEX's professional development platform.

03

Build Confidence with PD+*

New to robotics? VEX PD+ helps you get up to speed, fast.

04

Track Success, Show Impact

Engage students and show measurable growth with built-in assessments.



Looking to expand with competitions or seasonal events?

VEX Robotics makes it easy to host and join.

From camp excitement to competitive robotics, students stay engaged—and your team stays supported.

Learn More @ camps.vex.com

*Many PD+ features are only available via paid subscription. Contact us for details.

Space Race Camp

Meet the VEX 123 Robot and help scientists by coding your robot to complete challenges inspired by the Perseverance rover and the Mars 2020 Mission!



Move it! Shake it! Camp

Meet the VEX 123 Robot and learn fundamental computer science concepts by coding the robot to move, shake, and dance in a variety of ways!



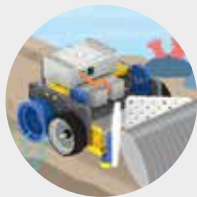
Storytime Robots Camp

Meet the VEX 123 Robot and bring stories to life, while integrating literacy and Computer Science in a fun, hands-on way!



Ocean Rescue Camp

Use a virtual ocean cleaning robot to explore coding to clean a coral reef. Then, build your own ocean cleaning robot with VEX GO to bring your conservation solution to life!



Robots on Parade Camp

Design, build and code a unique and creative float to participate in a robot parade!



Math Mania Camp

Build and play games to explore math concepts in a fun and hands-on way! Construct a "Battle Boats" game to use coordinates, a pendulum game to experiment with angles, and more!



STEM Gadgets and Games Camp

How does that work? Learn about the mechanisms that make our favorite gadgets, games, and toys work by building and designing them yourself!



Fun Frogs Camp

Imagine you are a naturalist observing frogs in their habitat. Build a habitat and construct each phase of a frog's life cycle with VEX GO to document in your Field Journal!



Mission to Mars Camp

Join Jo, the VEX GO Astronaut, on a Mission to Mars by designing, building, and coding to help explore the surface of Mars. Participate in challenges inspired by the real Mars missions and explorations with VEX GO!



Adventures in Engineering Camp

Be a VEX GO Engineer! Design, build, test, and iterate on your design to solve real-world problems and challenges, just like real engineers!



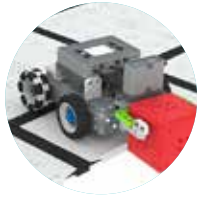
Ready, Set, GO Camp

Build and race different cars to learn about forces and speed. Go from a manual car to a mechanized car, to a Super Car you can code and drive!



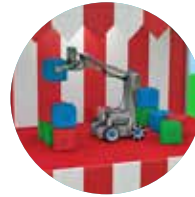
On the Move Camp

It's time to play robot games! Build, drive, and code your robot to score soccer goals, compete in tug of war, and more!



Carnival Games Camp

Step right up and build your skills as you build, drive and code your robots to play fun-filled carnival games!



Robotic Olympics Camp

Be a Robot Olympian! Build and code VEX IQ robots to play soccer, run races, and more! Compete in challenges and Robot Olympic Events as you learn about coding and engineering with VEX IQ.



Search and Rescue Camp

Become a search and rescue agent! Build and code VEX IQ robots to navigate disaster areas, detect obstacles, and deliver safety gear to those in need.



Robot Soccer Camp

Experiment with robot design and game strategy to score the most goals in a Robot Soccer Competition!



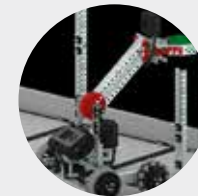
Castle Crasher Camp

Build an EXP BaseBot and code sensors to crash Buckyball castles in the Castle Crasher Competition!

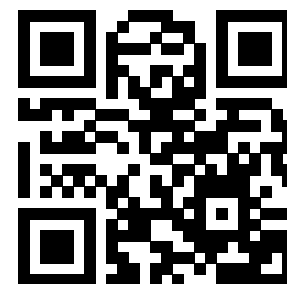


Ring Leader Camp

Remote-control drive and code your robot to score the most points in this two-part Ring Leader Competition!



Discover More
VEX Camps!





VEX Competition

Built-in Excitement

Tie your extended learning hours to something students can feel: local events that start fast and global competitions that keep them coming back. Year-round events culminate at the VEX Robotics World Championship.

24,000+ teams • 60+ countries • Events all year

Bring the season to your site

Every build session and coding challenge with VEX Robotics points toward something concrete: real competitions that provide students a reason to keep coming back. Start with a friendly scrimmage in your space, join a local tournament, or work toward the VEX Robotics World Championship.

With events year-round and clear progression paths, you always have a next step when students are ready. For program leaders, this means structure without chaos, defined rules, predictable formats, and proven results that make robotics an easy “yes” this year and every year after.

Explore Competition Pathways

Make Every Program Hour Count *with Robotics*



Competition: Purpose that sticks.

Competition channels classroom learning into real matches—local scrimmages, regionals, and a path to the VEX Robotics World Championship each spring. Students practice design, iterate under pressure, and learn to collaborate and compete—skills that translate directly to the classroom and beyond.

- **VEX IQ (Grades 5–8):** Teamwork + Skills challenges; collaborative match play.
- **V5 (Grades 9+):** Alliance match play + Skills; 1,300+ events annually.
- **Scale:** Tens of thousands of teams; competitions across 60+ countries.
- **Credibility:** VEX Robotics World Championship has earned Guinness recognition (online edition, 2021). (Guinness World Records)

Why this works in Extended Learning

Programs that add structured challenges see gains in participation, attention, and motivation, according to multi-state afterschool evaluations. Camps supply the reps; competitions provide the arc—together, they turn hours into habits.¹

VEX competitions and most VEX Camps require VEX hardware (not included).

¹ Source: Afterschool Alliance, *America After 3PM: STEM Learning in Afterschool on the Rise, But Barriers and Inequities Exist* (2021), summarizing Allen, Noam & Little, “Multi-state evaluation finds evidence that investment in afterschool STEM works” (2017).

Professional Development That Works—

When and Where You Need It



VEX PD+

Great robotics programs don't just run. They grow. VEX PD+ makes sure your team is ready. **VEX Robotics Professional Development Plus*** (PD+) is designed to help educators confidently bring STEM learning beyond the traditional school day. Whether you're starting an after-school robotics club, leading a summer camp, or building a weekend enrichment program, PD+ provides practical, flexible training that connects directly to the work you're already doing with students.

Certified by CAST for Accessibility and Usability

PD+ is officially certified by CAST, the organization behind the Universal Design for Learning (UDL) framework. That means our platform meets high standards for accessibility, clarity, and usability, so teachers of all backgrounds can engage with the content and apply it with confidence.



When you use PD+, you're getting training that's:

- **Accessible** – Learn at your own pace, on your schedule
- **Effective** – Built on research-backed strategies that translate to real classrooms
- **Supportive** – Designed to boost educator confidence, not add complexity

Use what you have. Grow who you have.

Built to Support the Learning You're Already Leading

Students around the world participate in VEX Robotics programs. PD+ helps educators bring those same hands-on, high-engagement learning experiences into extended learning spaces—without starting from scratch.

Designed by Educators. Built for Schools.

*Many PD+ features are only available via paid subscription. Contact us for details.

PD.vex.com

Professional development should make your job easier—and your students' learning even more meaningful. That's what PD+ is built to do.

Ready to *Extend the Learning?*

***Extended Learning, Powered by Robotics /
Maximize impact within your existing program time.***

Launch your VEX Robotics after-school, weekend, or summer program with free tools and full support.

VEX Robotics Extended Learning in Action

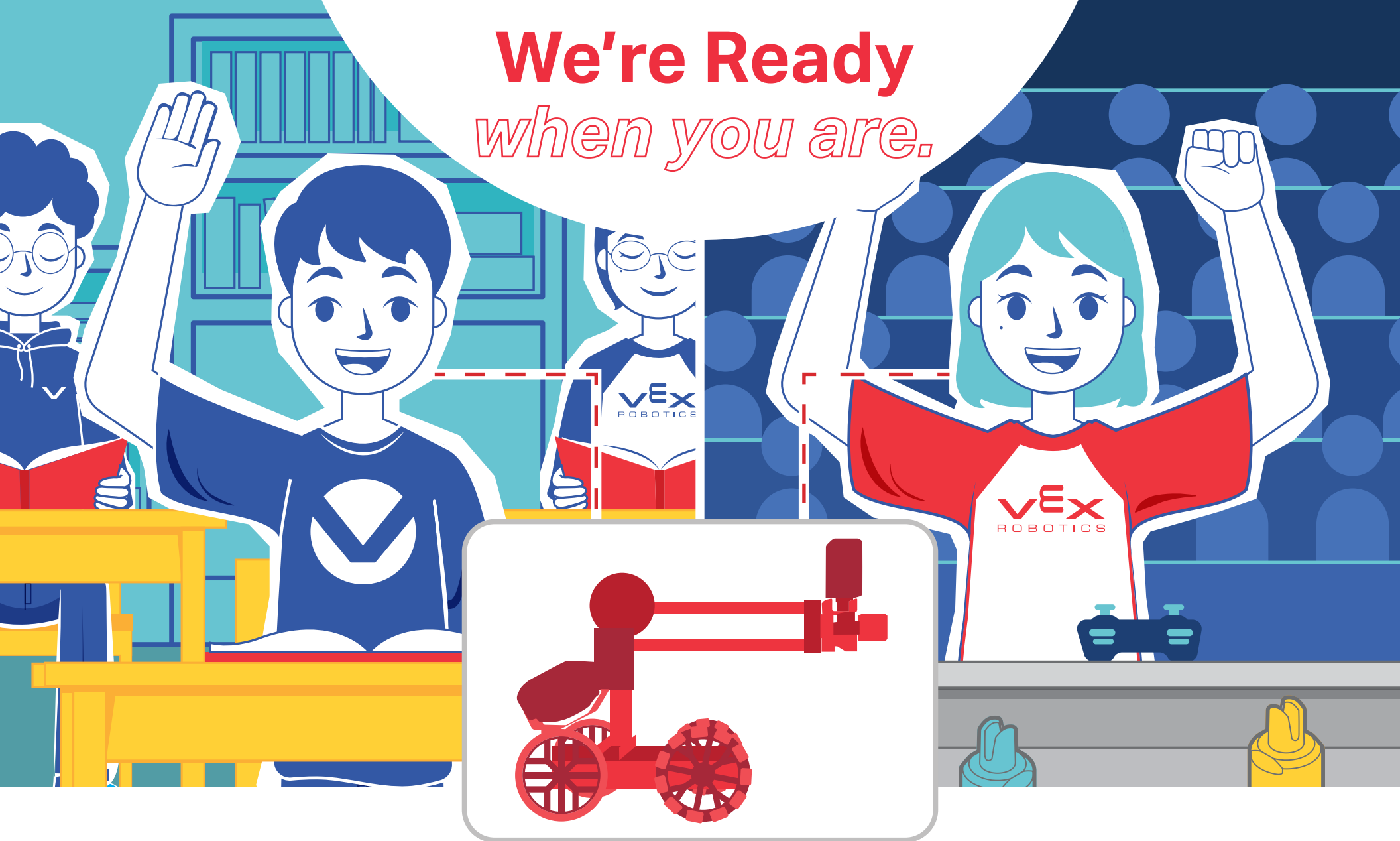
From rural school districts to urban STEM centers, VEX Robotics Extended Learning programs are thriving across the country—each is striving to meet local needs and student passions. Whether it's a robotics club, weekend camp, or summer challenge, VEX Robotics Extended Learning brings excitement with real learning outcomes, and real scalability.

Flexible Implementation: Multiple pathways and budget options help VEX Robotics works within your program's real constraints.

Check with your school's funding coordinator to determine if federal, state, or local funding is available for your planned extended learning program.



We're Ready
when you are.



Connect with VEX Robotics

Contact VEX Robotics at 833-297-6268

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