



2025 Weekly Camp Offerings and Course Descriptions

Week	Camp	Age Group
June 9-13	Once Upon a Robot: A Fairytale Robotics Journey	Entering 2 nd - 3 rd grade
June 9-13	Shut the Door! Simple Machines and Robots	Entering 4 th - 5 th grade
June 9-13	Intermediate 3D Printing	Entering 7 th - 9 th grade
June 16-20	Blast off with VEX GO	Entering 3 rd - 4 th grade
June 16-20	VEX IQ Competition Day Camp New 2025-2026 game	Entering 5 th - 6 th grade
June 16-20	Robot Olympics- <u>BEGINNERS</u>	Entering 6 th - 7 th grade
June 23-27	Storybots: Legendary Stories through Robotics	Entering 3 rd - 4 th grade
June 23-27	Beginning 3D Printing	Entering 4 th - 6 th graders
June 23-27	VEX IQ Competition Day Camp New 2025-2026 game	Entering 7 th - 9 th graders

Week 1: June 9-13

Once Upon a Robot: A Fairytale Robotics Journey (entering 2nd- 3rd grade)

Come embark on an enchanting adventure with your friends where fairytales and robotics come together in perfect harmony. This week will focus on STEAM through artistic stories and cutting-edge technological innovation. Campers will use multiple robotics platforms throughout the week to bring their tales to life with creative problem-solving and interactive storytelling.

Shut the Door! Marble Runs, Simple Machines, Robots and Rube Goldberg (entering 4th-5th grade)

In this ultimate STEAM camp, students will work to solve problems with simple machines, like shutting the door (and not cooling the whole neighborhood!). Rube Goldberg was an engineer turned Pulitzer Prize-winning cartoonist. His machines are the foundation of engineering solutions all over the world. This weeklong camp will expose students to puzzles and problem-solving through a great range of tools, machines, technology, possibilities, teamwork, and instructor encouragement. Campers will face a final challenge to design a solution using simple machines and robotics.

Intermediate 3D printing camp (entering 7th- 9th grade)

This camp is designed for students who have substantial experience with 3D printing or have completed our previous Beginner 3D printing camp. We will build on prior knowledge from day one and introduce students to the Prusa Slicer. This 3D printing camp will show you how to go from concept to product using Tinkercad. Campers will work to solve several everyday problems with new software and vocabulary. They will use the engineering design process, CAD modeling, and 3D printers in an exciting hands-on experience with cutting-edge technology. What can you create?

Week 2: June 16-20

Blast off with VEX GO! (Entering 3rd-4th grade)

Join us as we learn about our universe and build simple machines to explore the final frontier with VEX GO. Students will build their own Mars Rover with VEX Go parts and attempt to successfully explore the Mars terrain, all while overcoming the challenges and obstacles of Space Exploration. How will you rescue an astronaut from a deep crater? Can you stop a chain reaction and save the Earth from an asteroid? Students will use their new knowledge of design, speed, velocity, and force in a final competition to save the astronauts and the international space station. The week will be a blast!

Design Has No Limits: 2025-26 VEX IQ Competition Camp (entering 5th-6th grade)

This exciting camp will focus on the VEX IQ 2025-26 Competition. Campers will begin the week learning engineering notebook design and the new VEX IQ game challenge, then move into concepts including gear ratios, torque, drive trains, programming, and more. Campers will work in teams to design, build, and program an original robot to compete in the new game and challenge fellow campers. We will focus on the engineering design process, notebooks, and game strategy. Students will get a jump start on the VEX 2025-2026 robotics season.

Robot Olympics- VEX IQ BEGINNERS (entering 6th-7th grade)

Are you curious about building and coding robots? If you are **brand new to VEX IQ** but love designing, building, and solving problems, this camp may be for you. Campers attending this camp will begin the week learning about the engineering design process. We will address design, gear ratios, torque, speed, and much more as campers collaborate with their team to compete in various Olympic

games. By the end of the week, our Olympians will use optical sensors to design different mechanisms for a robot to compete. Will your robot reign supreme? Will you earn the gold medal?

Week 3: June 23-27

StoryBots: Weaving Narratives with Robotics (entering 3rd-4th grade)

Dive into an immersive learning experience designed for budding storytellers and young engineers. We will spend the week exploring the craft of storytelling, solving engineering challenges, and discovering the elements that make tales captivating. Campers will conquer challenges with logic and coding and learn to transform Dash into their own storybook character. This hands-on experience with programming and design will bring your story to life.

Beginning 3D printing camp (entering 4th-6th grade)

This camp is designed for students with no experience in 3D printing, where we will start with the basics. SCORE 3D printing camp will show you how to go from concept to product using Tinkercad and state-of-the-art 3D printers. Campers will work to solve an everyday problem using the engineering design process, CAD modeling, and 3D printers in an exciting hands-on experience with cutting-edge technology. What can you create?

Design Has No Limits: 2025-26 VEX IQ Competition Camp (entering 7th-9th grade)

This exciting camp will focus on the VEX IQ 2025-26 Competition. Campers will begin the week learning engineering notebook design and the new VEX IQ game challenge, then move into concepts including gear ratios, torque, drive trains, programming, and more. Campers will work in teams to design, build, and program an original robot to compete in the new game and challenge fellow campers. We will focus on the engineering design process, notebooks, and game strategy. Students will get a jump start on the VEX 2025-2026 robotics season. **Students must be younger than 15 on May 1, 2026, to participate in this camp.**