



STEM ROBOTICS ENGINEERING CAMPS GRADES 2 – 8

ROBOPETZ

Session 1: June 3 – 7

Welcome to the RoboThink RoboPetz Store! This immersive program offers students the chance to construct a wide variety of animal robots, including a tail-wagging dog and a trainable, self-moving unicorn. Throughout the program, participants will learn the fundamentals of working with mainboards, DC motors, gears, and axles while building robots inspired by various members of the animal kingdom. Join us on this wild adventure and create your very own RoboPetz—no prior animal experience required!

STEM INVENTIONS

Session 2: June 10 – 14

Attention all young inventors! Get ready to embark on a mind-blowing journey at the RoboThink STEM Inventions camp. We're on the lookout for brilliant minds like yours! Join us as we dive into the fascinating world of invention, using RoboThink's cutting-edge hardware to build a range of revolutionary creations that have shaped history. From the ingenious water mill to the game-changing conveyor belt, and so much more in between, this camp is all about unleashing your innovative potential! And that's not all— you'll even have the chance to create your very own inventions to solve real-world problems. No prior experience necessary, just bring your passion for building and learning!

BATTLE ROBOTS

Session 3: June 17 – 21 (No camp Wednesday)

Let's duke it out, RoboThink-style! In this competitive camp, students will be building and customizing a variety of different battle robots, then competing in a wide range of different activities. By using gears, motors, axles and our own special hardware, your child will be in for the battle of a lifetime. No experience necessary, just come battle and have fun!

ENGINEER RACE CARS

Session 4: June 24 – 28

Hit the racetrack with RoboThink! In this thrilling camp, students will not only build and race a variety of different race cars, they'll also be learning about different parts of a car like the transmission, pistons and differentials! No prior experience necessary, just make sure to wear your racing gloves!

ENGINEER PLANES

Session 5: July 8 – 12

Take to the skies with RoboThink! This program turns your student into a master of the skies as they build different aircrafts all throughout history from the birth of aviation to the modern day– there are even some futuristic aircrafts that don't even exist yet! Whether it's an airplane or a helicopter, your student will definitely have their head in the clouds– they'll even get to throw a paper airplane or two! No flying experience necessary.

RUMBLE ROBOTICS

Session 6: July 15 – 19

Welcome to Rumble Robotics, where young aspiring engineers dive into the thrilling world of Battle Robots in bite-sized sessions! In just an hour, kids step into an action-packed adventure, building and battling their own spinning tops, commanding robot knights in epic duels, and racing their custom-designed cars. Our program simplifies the excitement, making it perfect for beginners - no experience required. With gears, axles, motors, and our cutting-edge RoboThink mainboards, young minds unleash their creativity and engineering skills. Get ready for an hour filled with fun, learning, and adrenaline-pumping challenges!

BATTLE ROBOT TANKS

Session 7: July 22 – 26

We're back again for round two! This battle-themed camp has students building a variety of different tanks, completing tons of different challenges and doing a bunch of robot battling! This program is designed for seasoned RoboThinkers, but newbies are always welcome– just prepare for a challenge!

EXPEDITION MARS

Session 8: July 29 – August 2

Inspired by popular movies, NASA and space travel! Come on an adventure building functional robots using unique RoboThink bricks in this super-fun program. Kids will learn about space, space travel, stars and gravity, all while building a variety of interstellar robots and learning some entrepreneurial skills along the way! Your child will have a blast exploring the world of robotic technologies as they build, learn, and play.



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