



# SUMMER STEAM BOOST CAMP 2025

GRADES K-2

Monday to Friday (5 Days each week, 7 Hours each day)- Use Code **SUMMER25** to get \$100 off until April 15th!

	July 7th-July 11th	July 14th-July 18th	July 21st-July 25th	July 28th-Aug 1st	Aug 4th-Aug 8th	Aug 11th-Aug 15th	Aug 18th - 22nd	Aug 25th - 29th
	Making Movies	Animal Safari	Music & Art	Cartooning	Theater Design	Super Science	Little Doctors	Dinomite!
9:00-12:00 PM								
	Lights, camera, action! In this hands-on camp, kids become directors of their own mini movies using stop-motion animation. Campers will bring their stories to life by crafting clay characters, designing LEGO mini-figures, and building creative backdrops. With plenty of imagination and fun, these budding filmmakers will learn the magic of moviemaking—one frame at a time! No experience needed—just bring your creativity and get ready to call the shots!	Welcome to our Animal Safari camp where kids embark on an exciting journey through the animal kingdom! Through engaging activities, children will explore the habitats, behaviors, and unique characteristics of various animals. Get ready for a roaring good time! This mixed interdisciplinary camp theme has a variety of activities spanning from making LEGO robots that move ex. a frog robot, light-up LED based animal creations and much much more!	Get ready to play, create, and explore! In this exciting camp, young musicians will try out a variety of instruments, including piano, guitar, drums, and ukulele. They'll craft their own maracas and even build a virtual piano using fun, drag-and-drop coding! The grand finale? A special performance where campers will showcase their creativity and newfound skills! Perfect for little rockstars and artists—no experience needed, just a love for music and fun!	Join us for a fun-filled summer camp where kids will learn to draw their favorite comic book characters and create their own cartoons. With plenty of creativity and hands-on drawing activities, campers will stretch their imaginations and bring their stories to life—one sketch at a time! Get ready to doodle, design, and dream big!	Calling all young creators! Have you ever wondered <i>before</i> the big show begins? Discover the answer during our Theater Design camp! Campers will design and build a mini stage set, craft tiny costumes, experiment with improv, and even experiment with lighting effects. Through hands-on fun and imagination, they'll bring their own magical performance world to life!	Get ready for a summer of hands-on discovery! In this exciting science camp, budding scientists will experiment with food coloring, baking soda, and other kid-safe ingredients to explore the wonders of chemistry. They'll mix up their own oobleck, learn about light, and even create an explosive volcano!	Step into the world of medicine and become a mini doctor! In this hands-on camp for kids, young learners will explore how doctors help people stay healthy. Through fun experiments and interactive activities, campers will learn about the human body, discover the functions of internal organs like the heart, lungs, and brain, and even practice simple first aid.	Get ready for a dinomite adventure! Young explorers will journey back in time to learn about dinosaurs—where they lived, what they ate, and why they disappeared. Through hands-on fun, campers will create their own fossils and even build a glowing dinosaur wooden circuit to take home! This exciting blend of science and art makes prehistoric exploration an unforgettable experience.
LUNCH 12:00 PM -1:00 PM + Outside Play								
	Little Potters	Nanobots	Little Architects	Flying Machines	Silly Circuits	Epic Star Wars	Going Green	Around the World
1:00-4:00 PM								
	Unleash your creativity in this hands-on pottery camp! Young artists will explore the magical world of clay, learning basic techniques like shaping and molding while decorating their own unique creations. This sensory-rich experience helps develop fine motor skills and encourages imaginative expression as campers craft beautiful pieces to take home.  Perfect for budding artists who love to create, sculpt, and get their hands a little messy!	Step into the world of robotics and become a young engineer! In this hands-on camp, kids will build their very own robots using LEGO and bring them to life with coding. They'll learn the basics of sensors, motors, and gears, discovering how these components work together. Through easy-to-learn block coding, campers will program their robots to move, interact, and complete tasks, gaining valuable skills in robotics and programming.	Calling all future architects & builders! In this hands-on camp, young architects will dive into the world of design and construction, creating their own bridges, towers, and mini cities. Using everyday household items, campers will transform ordinary materials into incredible architectural structures. Perfect for young builders who love to create, design, and explore the world of architecture! We will be making use of laser cut wooden pieces that allow easy assembly, LEGO bricks & other materials!	Blast off into the exciting world of flight! Campers will design and create their own paper planes, colorful straw rockets, balloon-powered rockets, bottle airplanes, and parachutes. This hands-on, art-filled experience is perfect for young aeronautical engineers, blending creativity with fun learning activities. With a sprinkle of flight history and cool airplane and rocket facts, kids will soar into a world of discovery and imagination!	Dive into the exciting world of electronics with hands-on crafts! Campers will learn to add LED lights, batteries, and switches to paper, wooden, and play-doh circuits. They'll create their own "silly circuits" that light up and make fun sounds! Perfect for creative minds eager to explore the magic of science and technology! Highly engaging and educational in a practical way - make light up cards, what are LED lights and how do they work, what does a circuit do, battery power!	Embark on an intergalactic adventure and explore the wonders of space! In this hands-on camp, young explorers will create glowing paper circuits like real Jedi engineers, make gooey slime inspired by the galaxy's mysterious creatures, and craft their own paper telescopes to gaze at the stars. They'll also learn cool facts about our solar system!	Join us for an exciting adventure in sustainability through arts and crafts! Each day, young campers will explore fun, creative ways to care for the planet by making eco-friendly projects. Using recycled materials, they'll craft unique art, design nature-inspired masterpieces, and learn about the environment through hands-on activities.	Get ready for an exciting global adventure! In this camp, young explorers will "travel" to different continents, learning about directions, how to read maps, and discovering interesting facts about countries around the world. At the end of the camp, campers will take home their very own homemade passports, stamped with all the countries they've visited! Perfect for curious minds ready to explore the world and its wonders!

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Healthy Snacks + Drinks - Included  
Healthy / freshly prepared Lunches - \$75 per week

BEFORE CARE - 8:00 - 9:00 AM - \$100 per week  
AFTER CARE - 4:00 - 5:30 PM - \$125 per week

Register by going to <https://tinyurl.com/sws-princeton-summer2025> (<Click here)



# SUMMER STEAM BOOST CAMP 2025

GRADES 3-5



Monday to Friday (5 Days each week, 7 Hours each day)- Use Code **SUMMER25** to get \$100 off until April 15th!

	July 7th-July 11th	July 14th-July 18th	July 21st-July 25th	July 28th-Aug 1st	Aug 4th-Aug 8th	Aug 11th-Aug 15th	Aug 18th - 22nd	Aug 25th - 29th
	Missions in Robotics	3D Printing Projects	Master Chef	Audio Engineering	Forensic Science	Making Comic Books / Manga	Cool Chemistry	Music and Art
9:00-12:00 PM								
	Dive into the exciting world of Robotics! In this hands-on camp, kids will explore the basics of robotics, including sensor use, gear trains, engineering design, logical thinking, coding, testing, and performance. This engaging experience will inspire creativity and motivate campers to solve real-world problems, all while having fun building and programming their own robots!	Step into the world of 3D design and printing! In this camp, campers will learn the basics of 3D modeling, including creating simple shapes, using measurements, designing hollow objects, and assembling projects. With hands-on guidance, they'll bring their designs to life with 3D printing technology. Best of all, campers get to keep the 3D models they create!	Unleash your inner chef and get ready to cook up a storm! In this fun and interactive camp, young aspiring chefs will learn kitchen skills, explore new recipes, and get creative with their cooking. From chopping and mixing to baking and decorating, campers will discover the secrets of preparing delicious dishes while learning about kitchen safety and nutrition.	Dive into the exciting world of sound and music production! This hands-on camp introduces the fundamentals of recording, mixing, and editing while exploring the creative process behind audio engineering. Campers will learn basic music theory, arrange soundtracks, edit voices, add sound effects, and create their own unique compositions. From crafting music to exploring the art of podcasting, this camp builds skills that can lead to future opportunities in music production, audio storytelling, and beyond. Get ready to bring sound to life!	Step into the world of mystery and discovery in this hands-on forensic science camp! Young investigators will dive into the fascinating world of crime scene science as they explore DNA analysis, blood typing, and fingerprinting. They'll get hands-on experience making blood slime, creating dental impressions, and uncovering the secrets hidden in everyday evidence. Through exciting experiments and interactive projects, campers will learn real forensic techniques used by scientists and detectives.	Bring your stories to life in this exciting camp all about comic books and manga! Campers will learn how to create their own characters, design action-packed scenes, and master the art of storytelling through illustrations. With a mix of drawing techniques and creative writing, kids will develop their own comic strips or manga pages, exploring everything from panel layout to character development. By the end of the camp, campers will have their very own comic book to share!	Get ready for a week full of wild and wacky experiments! In this hands-on camp, kids will dive into the exciting world of chemistry, exploring cool reactions, fizzing experiments, and colorful creations. From creating slime to making baking soda volcanoes, they'll have a blast mixing ingredients and discovering the science behind the magic! Perfect for kids who love to get messy, experiment, and see chemistry in action!	Get ready to make some music and have a blast! In this exciting camp, campers will get the chance to try out a variety of instruments like piano, guitar, drums, and ukulele. They'll also craft their own maracas and even build a virtual piano using fun, drag-and-drop coding! The highlight of the camp? A special musical play where campers will show off their creative skills and musical talents!
<b>LUNCH 12:00 PM -1:00 PM + Outside Play</b>								
	Going Green	Wearable Tech	Pottery	Movie Making	Roblox Game Design	Chess	Rocketry	Theater Design
1:00-4:00 PM								
	Ready to explore the future of sustainability? In this fun and hands-on camp, campers will dive into green technologies and clean energy! They'll learn how to protect the planet while working on exciting projects like building solar-powered gadgets and designing energy-efficient models. It's a great way for kids to discover how they can help create a greener world through creativity and innovation	Get ready to make a fashion statement with electronics you can wear! In this creative camp, kids will craft their own LED crown, learn how to solder, and code flashing badges and jewelry. They'll take home amazing projects that are sure to WOW friends and family! This camp blends science and art in fun maker activities that spark creativity, problem-solving, and hands-on learning!	Get your hands messy and unleash your creativity in this hands-on pottery camp! Campers will explore the art of ceramics - learning sculpting and glazing techniques to create their own functional and decorative pieces. From shaping raw clay to adding the finishing touches, they'll transform their ideas into unique, one-of-a-kind masterpieces. Along the way, they'll build artistic skills, boost creativity, and develop patience and confidence—all while having a blast!	Lights, camera, action! In this hands-on camp, campers will step into the director's chair and create their own mini movies using stop-motion animation. They'll bring their stories to life by crafting clay characters, designing LEGO mini-figures, and building creative backdrops. With plenty of imagination and fun, these budding filmmakers will learn the magic of moviemaking—one frame at a time!	Turn your gaming passion into game creation! In this exciting camp, campers will learn how to design and build their very own games in Roblox. Using Roblox Studio and basic coding concepts, they'll create custom worlds, design interactive challenges, and bring their ideas to life. Along the way, they'll develop problem-solving skills, unleash their creativity, and gain a deeper understanding of game design.	Ready to learn and master the game of chess? In this engaging camp, campers will start with the basics and then dive into strategies and techniques to outthink their opponents. Through fun challenges and paired gameplay, they'll sharpen their problem-solving skills, practice patience, and develop strategic thinking. Plus, they might even get the chance to 3D print their own chess piece!	Get ready for an action-packed adventure in rocketry! In this hands-on camp, kids will build air-pressure and alcohol-powered rockets while exploring the science behind flight. They'll also launch rockets using real rocket engines, experimenting with the principles of physics, engineering, and math along the way. With exciting hands-on challenges, this camp is perfect for future engineers and space enthusiasts!	Step behind the curtain and discover all of the magic that happens before opening night! Campers will design and build a mini stage set, craft tiny costumes, experiment with improv, and even experiment with lighting effects. Through hands-on fun and imagination, they'll bring their own magical performance world to life!

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# SUMMER STEAM BOOST CAMP 2025

GRADES 6-8

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	July 7th-July 11th	July 14th-July 18th	July 21st-July 25th	July 28th-Aug 1st	Aug 4th-Aug 8th	Aug 11th-Aug 15th	Aug 18th - 22nd	Aug 25th - 29th
	AI - Machine Learning	3D Print Projects	Drone Workshop	VEX Robotics	Roblox Game Design	Arduino RC Car	Green Tech	Bioengineering
9:00-12:00 PM								
	Step into the future and explore the world of artificial intelligence! In this exciting camp, campers will learn how AI and machine learning power the technology around us—from chatbots to self-driving cars. Through hands-on projects and interactive coding challenges, they'll train AI models, experiment with video, image (facial expressions) and speech recognition, and discover how machines "learn" from data. We will be using cameras, sensors and microphones.	Bring your ideas to life with 3D printing! In this hands-on camp, campers will dive into the world of 3D design, learning how to create and customize models using measurements, shapes, and assembly techniques. With expert guidance, they'll transform their digital creations into real 3D-printed objects to take home.	Take to the skies in this hands-on drone engineering camp! Campers will learn the fundamentals of drone technology as they build and program their own drones. From assembling components to understanding flight mechanics and controls, they'll gain valuable STEM skills while experimenting with real-world applications. Once built, campers will put their drones to the test with fun flight challenges!	Dive into the world of robotics and build your very own remote controlled robot! In this hands-on camp, students will use a VEX ARM Cortex microcontroller and various sensors to create a robot that can move and perform tasks. Campers will learn valuable programming skills with Robot-C, explore robot design, and master the engineering processes behind their creations.	Turn your gaming passion into game creation! In this exciting camp, campers will learn how to design and build their very own games in Roblox. Using Roblox Studio and basic coding concepts, they'll create custom worlds, design interactive challenges, and bring their ideas to life. Along the way, they'll develop problem-solving skills, unleash their creativity, and gain a deeper understanding of game design.	Get ready to build, and program your own remote-controlled car! In this hands-on camp, campers will explore the world of electronics and coding using Arduino technology. They'll assemble components, wire circuits, and program their RC cars to navigate obstacles and follow commands. Along the way, they'll develop problem-solving skills and gain real-world engineering experience.	Dive into the world of renewable energy and green technologies! In this hands-on camp, kids will explore exciting projects like building and assembling a solar, hydro, and wind energy kit. They'll learn how sustainable energy sources work, while experimenting with eco-friendly technologies that help protect the planet. From creating green energy solutions to discovering how nature can power our world, this camp is perfect for kids ready to make a difference!	Step into the world of genetic engineering in this exciting, hands-on summer camp! Campers will experiment with real bioengineering techniques as they learn to modify plants and bacteria at the DNA level. Using Agrobacterium, they'll insert plasmids into Nicotiana tabacum leaves, turning them red through horizontal gene transfer. They'll also take genetic engineering a step further by planting a jellyfish gene into bacteria, making them glow! As they observe these transformations, campers will gain a deeper understanding of biotechnology, gene expression, and the future of genetic science.
LUNCH 12:00 PM -1:00 PM + Outside Play								
	Audio Lab	Pottery	Blender	Free Form Soldering + Circuits	Rocketry	Thinking in Physics	Jewelry Making Fun	Woodworking
1:00-4:00 PM								
	Unlock the world of sound in this exciting Audio Lab camp! Campers will dive into audio technology by building their own custom headphones and synthesizers. Through hands-on projects, they'll learn how sound works, explore the basics of sound design, and experiment with creating their own music and audio effects. With a blend of creativity and technology, campers will develop skills in engineering, coding, and sound production—all while having fun with music and audio tech.	Get ready to dive into the world of ceramics and unleash your creativity! In this hands-on camp, campers will learn how to sculpt and glaze clay to create both functional and decorative pieces. From molding raw clay to adding unique designs, they'll bring their ideas to life and craft one-of-a-kind masterpieces. Along the way, campers will develop artistic skills, boost creativity, and learn the art of patience—all while having fun getting messy with clay!	Step into the world of 3D design and animation with Blender! In this exciting camp, kids will learn how to create stunning 3D models, characters, and animations using Blender software. From shaping objects to texturing, lighting, and rendering, they'll master the fundamentals of 3D design while bringing their ideas to life on screen. Whether they're interested in gaming, animation, or digital art, this camp will give campers the skills to start creating their own 3D worlds.	Get creative with soldering in this hands-on camp where campers will create unique projects using soldering techniques! They'll learn how to solder wires, attach components, and create their own custom designs. Then, campers will dive into the world of circuits, exploring how to build and wire up their own working electronic creations like light-up projects and more! It's the perfect blend of art and science, where creativity meets technology.	Get ready to blast off in this exciting rocket science camp! Campers will design and build air-pressure and alcohol-powered rockets, learning the science behind propulsion and flight. They'll also experience the thrill of rocket launches using real rocket engines! With hands-on projects, students will dive into the scientific, technical, and engineering principles of rocketry, gaining valuable skills in experimentation and problem-solving while having a blast.	What lies at the bottom of every field of science? Physics! In this hands-on program, your camper will discover the math behind energy, hold gravity in the palm of their hand, and unravel the secrets of Newton's Laws. They'll learn the science that puts rockets in orbit, keeps planes in the sky, and commands the movement of planets—because if you understand physics, you understand everything!	Unleash your inner designer in this hands-on jewelry-making camp! Campers will explore a variety of creative techniques, from shaping and glazing ceramic pendants to crafting intricate designs. They'll also dive into soldering, learning how to fuse metals and assemble one-of-a-kind statement pieces. Whether working with clay or metal, campers will bring their artistic visions to life and take home unique, handcrafted jewelry.	In this hands-on woodworking camp, kids will learn the fundamentals of craftsmanship, creativity, and problem-solving! Guided by skilled instructors, campers will use real tools to design, build, and complete their own woodworking projects. Along the way, they'll develop essential skills like measuring, cutting, assembling, and finishing—all while gaining confidence and an appreciation for working with their hands.

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