



This summer, St. Martin's-in-the-Field Episcopal School is proud to once again be partnering with Club SciKidz MD to bring you a summer full of science and technology learning and fun! We are excited to be offering six weeks of camp this summer, with five different camp options for the majority of the weeks. We hope to see you at camp this summer!

When selecting camps, choose a camp in the grade level that your child will be going in to for the fall (2022-2023 school year).

Do you have questions or would like more information? We're happy to help!

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Summer Camp Sessions and Information

Session 1: June 20th - June 24th

Session 2: June 27th - July 1st

There is NO camp the week of July 4th

Session 3: July 11th - July 15th

Session 4: July 18th - July 22nd

Session 5: July 25th - July 29th

Session 6: August 1st - August 5th

Club SciKidz MD @ St. Martin's Summer 2022 Schedule

June 20	PreK-Kindergarten <ul style="list-style-type: none"> Jurassic Jurassic HALF DAY 	1st-3rd grade <ul style="list-style-type: none"> Lego WeDo Meets Scratch Jr. Robot Engineer Grossology 	4th-6th grade <ul style="list-style-type: none"> 3D Creator
June 27	PreK-Kindergarten <ul style="list-style-type: none"> Little Space Explorer Little Space Explorer HALF DAY 	1st-3rd grade <ul style="list-style-type: none"> Eco Explorers Cosmos 	4th-6th grade <ul style="list-style-type: none"> Forensic Detectives Emergency Vet
July 11	PreK-Kindergarten <ul style="list-style-type: none"> Intro to Robotics and Programming Intro to Robotics and Programming HALF DAY 	1st-3rd grade <ul style="list-style-type: none"> Pokemon Professors Marvel Movie Maker Jr. Meteorologist 	4th-6th grade <ul style="list-style-type: none"> Deep Space Robotics
July 18	PreK-Kindergarten <ul style="list-style-type: none"> Little Engineer Little Engineer HALF DAY 	1st-3rd grade <ul style="list-style-type: none"> Dash and Dot Programming Jr. Paleontologist 	4th-6th grade <ul style="list-style-type: none"> American Doll Adventures Beginner Coding with Roblox
July 25	PreK-Kindergarten <ul style="list-style-type: none"> Little Scientist Little Scientist HALF DAY 	1st-3rd grade <ul style="list-style-type: none"> Grossology Jr. Scientist 	4th-6th grade <ul style="list-style-type: none"> Wizarding World Advanced Lego EV3
August 1	PreK-Kindergarten <ul style="list-style-type: none"> Little Chemist Little Chemist HALF DAY 	1st-3rd grade <ul style="list-style-type: none"> Jr. Physician Jr. RPG Game Design Sea Adventures 	4th-6th grade <ul style="list-style-type: none"> Great Masters

Camp Hours

Full day camps run from 9:00-4:00, Monday-Friday. Regular drop-off is 8:30-9:00 and regular pick-up is between 3:30-4:00. Before care is offered from 8am to 9am- \$30 per week. After care is offered from 4pm to 5:30pm- \$50 per week.

Half day camps (for grades PreK-K only) run from 9:00am-1:00pm, Monday-Friday and is \$239 per week. Regular drop-off is 8:30am-9:00am and regular pick-up is at 1:00pm. Before care is offered from 8am to 9am- \$30 per week. After care is not an option for half day camps. Campers will eat lunch at camp. To sign up for the half day camp, select the HALF DAY option during registration.

What to Bring

All campers must bring their own nut free lunch, two nut free snacks, and a water bottle. Hats and sunscreen are optional but recommended. All campers will receive a t-shirt and are asked to wear it to camp each day.

Additional Information

Club SciKidz MD <http://www.clubscikidzmd.com>

How do I register?

Click on a camp title or [Click Here](#) to register.

If you are looking for camp other weeks of the summer, you can check out our complete schedule here: <http://www.clubscikidzmd.com/programs/camp-locations/>

Session 1: Week of June 20th

Jurassic (grades PreK-K) Half day: \$239 Full day: \$339

Dinosaurs may be extinct, but they are very much alive in Camp Jurassic. Campers learn about a variety of dinosaurs and their habitats. Rocks, minerals and fossils are studied along with a variety of related projects. Campers will work with additional take home projects. Special emphasis is placed on observation, inference, data collection, and just plain old fun! This is Geology 101! Sample Projects: Dinosaur Model, Panning for Gems and Minerals, building a Volcano, casting a Sea Shell Fossil and Dinosaur Dig.

Grossology (grades 1st-3rd) \$349

Campers will discover loads of *horribly* fantastic experiments! This is science with the squishy bits left in it! Projects include Bulging Bag of Brains, Baby Diaper Dissection, Eyeball Acrobatics, and Bird Barf. But besides just “doing” and “talking about” gross stuff, campers will be learning the science behind it. They’ll learn that science is messy, and times gross! And even the gross stuff is important and plays an important part in our world. There is tons of chemistry and biology for your aspiring doctor or scientist in our most disgusting camp! Grow your own bacteria and make “snot”, dissect owl pellets and learn about tapeworms. If your camper loves anything gross, join us for a week in Grossology!

3D Creator (grades 4th-6th) \$369

Campers will be using 3Doodler Pens to create amazing 3D structures. They will learn how to properly use the 3D pen and learn about its practical uses in the fields of Science and Technology. Students will be introduced to concepts of engineering. They will apply their newfound knowledge when they design, plan, and create their own 3D projects. Campers will respond to engineering challenges to put their skills to the test. Some sample projects include bridge building and replica famous structures. All 3D projects will be taken home by campers. This camp is a great compliment to 3D printing, but please note that this camp does not use 3D printers.

Session 2: Week of June 27th

Little Space Explorer (grades PreK-K) Half day: \$239 Full day: \$339

Kids of all ages love space, so that’s why we created Lil Space Explorer for ages 4 to 5 years. We all remember watching the launch of space rockets from NASA, the first steps by man on the moon, watching astronauts float in zero gravity and of course those bulky but futuristic space suits. Campers will become astronauts in training as they learn about and participate in hands on activities about the sun, moon, planets, and the life of an astronaut. Projects include Making Moon Sand, Fizzing Planets, creating a galaxy, participating in an astronaut obstacle course, and many more.

Cosmos (grades 1st-3rd) \$349

Join us as we race across the Milky Way with twenty astronomy projects! This is the camp that your child will be talking about for a long time! Do you have a rocket scientist in your family? He/she will experiment with screaming balloon rockets, use solar glasses, and construct and use a star finder. They will also put on their “artist hat” as they make a glow in the dark model of Saturn and create a model of our solar system. Campers will also build and launch a model rocket! Join us for this fun and engaging camp that’s out of this world!

Eco Explorers (grades 1st-3rd) \$349

What better place to explore than nature that is right outside our door? Campers will not only learn about this amazing planet with live on but learn how we can help keep it

beautiful and healthy! They'll be arborists as they learn about different kinds of trees and even plant a pine tree. Next they'll become entomologists as they do activities and experiments related to spiders, butterflies, and other insects. They'll discover that although sometimes insects may appear scary or frightening, they actually aren't and even help us! Campers will explore the organisms and habitats of different ecosystems learn ways to take care of the planet we live on. They'll become experts on the "three Rs".

Emergency Vet (grades 4th-6th) \$349

This camp is a camper's ticket to the world of Veterinary Medicine. Lessons will give campers the opportunity to look into the real and exciting field of Veterinary Medicine. Campers will meet practitioners in the field and be involved with several hands-on experiments including learning suturing techniques and how to use a syringe! We will be featuring our CPR Dog and there is also a unit on dog training. Campers will also be involved in three dissection activities: Sheep Heart, Owl Pellet, and Crayfish. Each camper will receive his or her very own medical kit! This is a camp your aspiring vet will not want to miss!

Forensic Detectives (grades 4th-6th) \$349

This camp was formerly unknown as: CSI. It's the same camp, just a different name

Campers will learn to become Crime Scene Investigators during actual crime scene setups! They'll use the tools used in the field to collect and examine evidence. They'll conduct fingerprint, handwriting, fiber, simulated blood and DNA analysis. They will also learn about crime scene models, such as the Nutshell Studies of Unexplained Death, and how detectives and police used them to learn and practice the art and science of detailed forensic-based detection. Club SciKidz investigators will actually have their own miniature crime scene to study! As the investigator, campers must bear in mind that there is a two-fold responsibility: to clear the innocent as well as to expose the guilty. They'll manage the task of seeking only the facts and finding the truth in their Nutshell Mystery diorama. Campers will learn how a crime is actually solved and learn how Biology, Chemistry and Physics play a major role in the investigation!

Session 3: Week of July 11th

Intro to Robotics and Programming (grades PreK-K) Half day \$239 Full Day \$339

This camp is for our youngest campers and introduces them to robotics and programming using Kibo, designed for the youngest programmers. Campers will build, program, decorate, and bring their own robots to life. KIBO gives your kids the chance to make their ideas physical and tangible—exactly what their young minds and bodies need. And KIBO does all this without requiring screen time from PCs, tablets or smartphones.

Jr. Meteorologist (grades 1st-3rd) \$349

Campers will become meteorologists for the week and discover why our weather changes! Jr. Meteorologists will measure and record rainfall, create a water cycle wheel, build a weather station, learn about the Greenhouse Effect, create a terrarium, design their own tornadoes, create "snow" during the summer and more! Before you know it, Jr. Meteorologist will be on the 6 o'clock news doing the weather! In addition: Campers will end the week demonstrating the three states of matter by making and eating some delicious ice cream. Throughout the week they will take home projects that include: sun prints, UV beads, a wind vane, anemometer, and a very cool rain stick!

Pokémon Professors (grades 1st-3rd) \$349

Prepare for your next Pokemon adventure. Not only is your goal to "catch 'em all", but you'll also be applying scientific theories and conducting experiments along the way. Throughout this new adventure, you'll meet Pokemon of all types and conduct hands-on science experiments that grant insight into the wonderful world of Pokemon. The exciting activities include: a chemical reaction Pokemon hatching, catapult launching to catch your very own Pokemon, exploring the effectiveness of Pikachu's electricity, observing Bug Pokemon and the real insects and organisms they resemble, reflect on the 3 states of matter with Ditto Slime, and much much more. Are you ready for your greatest Pokemon adventure yet?

Marvel Movie Maker (grades 1st-3rd) \$349

This camp was formerly known as: Marvel Stop MotionI. It's the same camp, just a different name

Whether you're Team Iron Man, Team Hulk or Team Captain America, this camp will make you feel like a superhero! Join forces with Thor as you make your own Thor hammer, look the part as you make Black Panther Kimoyo Beads to wear, and show your patriotic pride by making a Captain America Planter! But the fun and world-saving doesn't stop there! You'll be making your very own Marvel movie using stop motion animation. You'll begin by learning the history of animation and discover some of the tricks of the trade as you create your characters and give your favorite Marvel characters a brand-new adventure. You'll use the computer program ZU3D to bring your pictures to life and give Marvel a whole new chapter. Are you up for the challenge?

Deep Space (grades 4th-6th) \$349

Camp Deep Space takes campers to the edge of the universe on a mission to make a distant planet habitable for humans. Using LEGO MINDSTORMS NXT Education Components and software, along with videos and animations campers, build and learn programming, tackle building challenges, and hone their robotic and project planning skills. Science factoids are interspersed throughout, accompanying engineering design activities tied into space exploration. Campers will also construct and launch two of their very own Estes Rockets.

We are on our way to the final frontier!

Deep Space is for beginners and experienced LEGO MINDSTORM users. Camp Deep Space's curriculum has been developed by Carnegie Mellon University's Robot Academy.

Session 4: Week of July 18th

Little Engineer (grades PreK-K) Half Day \$239 Full Day \$339

Sir Isaac Newton never had this much fun! This camp is perfect for campers who want to know how and why things work. They will be involved in the designing and building of different projects. Campers will be immersed into our toy maker's workshop as they construct and take home several different toy projects that teach an important physical property. They'll experiment with a Pocket Rocket, take aim with a Marshmallow Launcher, construct a sponge ball slingshot and learn about electricity and circuits with a Snap Circuit Board, which campers will get to bring home! They'll become the engineer as they teach family and friends how electricity works and demonstrating oodles of exciting builds that light up and make noise.

Dash & Dot Programming (grades 1st-3rd) \$349

This new camp uses Dash and Dot, cleverbots created by Wonder Workshop. They are real robots that can sing, dance, navigate courses, and respond to voice commands. Using a tablet and apps, campers practice coding the robots to participate in a variety of different challenges and to create new behaviors for Dash. Campers will use sensors and different software apps to program their Dash and Dot to complete various challenges. Some activities include designing and creating obstacle courses and paths for Dash and Dot to complete, all programmed by you! Campers will play the iconic game of H-O-R-S-E and launch balls using Dash into a container and create a robot artist utilizing Dash to draw pictures. Besides the many challenges using Dash and Dot, campers will learn about basic electronics and circuitry using a Snap Circuit board. Some projects include building a circuit to turn on a light and creating a real alarm! At the end of the week, campers will take home their Snap Circuit board and kit.

Jr. Paleontologist (grades 1st-3rd) \$349

This camp was formerly unknown as: Paleo. It's the same camp, just a different name

No time machine is needed for this trip back in time! This camp offers an exciting introduction into the basics of Paleontology! This exciting adventure in Paleontology will have your child doing more than just playing in the dirt. They will be panning for gems and minerals, cracking open geodes, and taking part in a dinosaur dig. It will seem like they are at Jurassic World as they learn about dinosaurs and study fossils with hands-on experiments and activities. Campers will have the time of their lives and they'll bring home all of the treasures they find!

Video Game Engineering with Nintendo Labo (grades 1st-3rd) \$369

This camp is an innovative way to take campers love and interest of Nintendo Switch and combine it with creativity, building and engineering to take video games to the next level. Add a little DIY to video games with this unique camp. Using the Nintendo Labo kit, campers will build and let their style shine as they create their very own accessories for their Nintendo switch. Campers will build an interactive fishing pole, a Robo-animal and motorcycle. Besides building, campers will code their Toy Cons. The end of camp is not the end of the creativity and fun. Your child's imagination is the limit as they continue to creating, building and coding at home.

Campers are encouraged to bring their Nintendo Switches for use in this camp. **Nintendo Switch Lite is not compatible with Nintendo Labo. Only the Nintendo Switch will work properly.**

American Doll Adventures (grades 4th-6th) \$359

New Camp for 2022! We are very excited about our American Doll Adventures camp! While we encourage everyone to bring their dolls and plenty of enthusiasm, the camp is so much more than just "playing with dolls." Campers will have a blast as they unleash their creativity by integrating the components of STEAM and history!

Campers will bake a yummy dessert, sew a quilt for their doll. create an art masterpiece, study historical characters and perform science experiments. The week will also be sprinkled with tea parties, games, storytelling, American Girl Books, and plenty of fun and laughter.

Beginner Coding with Roblox (grades 4th-6th) \$349

Campers will dive into the basics of coding with the wildly popular game of Roblox. They will be modifying and creating their own Roblox game using Roblox Studio with Lua! Campers will learn real coding with the help of drag and drop coding blocks while simultaneously seeing and writing real code! You will be introduced to programming concepts such as methods, variables and for loops to create a full Roblox game! Campers will start with building the game called Prison Escape. Campers will move on to more difficult projects such as Barrel Roll and Alien Attack. By the end of the week, campers will have multiple games that were coded by them! Not only will campers learn the basics of video game programming, but they will get to play their games as well!

Session 5: Week of July 25th

Little Scientist (grades PreK-K) Half Day \$239 Full Day \$339

This unique camp will offer an incredible collection of projects and experiments that will amuse and amaze your little scientist! By being involved with several hands-on activities your child will explore the basic scientific ideas that play a role in everyday life.

Campers will create and experiment with several other projects in the course of the week such as trying their hand at rocketry, edible oceans, marshmallow catapults and more!. This is a broad topic camp that teaches campers how the scientific method helps give us the answers to our many questions.

Grossology (grades 1st-3rd) \$349

Campers will discover loads of *horribly* fantastic experiments! This is science with the squishy bits left in it! Projects include Bulging Bag of Brains, Baby Diaper Dissection, Eyeball Acrobatics, and Bird Barf. But besides just "doing" and "talking about" gross stuff, campers will be learning the science behind it. They'll learn that science is messy, and times gross! And even the gross stuff is important and plays an important part in our world. There is tons of chemistry and biology for your aspiring doctor or scientist in our most disgusting camp! Grow your own bacteria and make "snot", dissect owl pellets and learn about tapeworms. If your camper loves anything gross, join us for a week in Grossology!

Jr. Scientist (grades 1st-3rd) \$349

This camp was formerly unknown as: Young Scientist. It's the same camp, just a different name Why focus on just one area of science when you do them all?? This camp brings the best of a broad range of topics into one fun and engaging class! Fun and excitement is fostered by great lessons and hands-on experiments, all based on the National Science Standards. Campers will explore the natural world as they learn about rattle snacks, birds of prey and plants. They'll also head into the laboratory as they mix ingredients to create something new (think Oobleck, Gak and window paint)! Next they'll venture into the sky and space as they learn about the moon and flight, and then they'll travel down into the sea as they learn about air pressure. This camp will expose your young scientist much that the world of science has to offer!

Wizarding World (grades 4th-6th) \$359

This camp was formerly unknown as: A Week in the Wizarding World. It's the same camp, just a different name

Join Harry for an exciting week you'll never forget! From hippogriffs, dragons, house elves, basilisk, and owls, to sorting hats, dementors, potions, spells...and all things magical, come join us for the time of your life! Search for Horcruxes throughout the week, team up for our Harry Potter Trivia Game, design a broom, and play the wizarding sport of Quidditch. Paint Hogwarts castle, sculpt Dobby or Kreacher house elf, draw mythical creatures, make a Marauder's map, brew up Butter Beer, create your own wand and Death Eater's mask, Patronus, chocolate frogs, and lots, lots more! Bring

your favorite HP book(s) to camp to freshen up on spells, characters, and *discuss analogies* to the muggle world today. So much magic to do!

Advanced Lego EV3 (grades 4th-6th) \$349

Using LEGO's EV3 Education Set, campers are introduced to robotics with Legos and the Lego Mindstorms Software. Campers will work as scientists and engineers as they progress through a set of lessons, challenges, and projects that fully integrate science, technology, engineering, and math concepts while prompting creative problem solving, communication, and teamwork.

Campers will learn the basics of gears to help them apply physical science and math principles to build effective robots. They will also progress through a series of missions in which they investigate, observe, calculate, and apply their knowledge to solve specific tasks. Campers will use the different sensors and motors in the EV3 Education Set to program their robots to solve different challenges such as following a line, using a touch sensor and learning about sound using an ultrasonic sensor. Campers will learn the basic blocks of programming such as loop blocks, wait blocks, switch blocks and movement blocks.

Our engineers will conduct research as they explore, plan, and develop challenges as engineers and scientists. Campers will learn the basics of programming and algorithms using the software to program their robots in a week of robotics and programming!

Session 6: Week of August 1st

Little Chemist (grades PreK-K) Half Day \$239 Full Day \$339

It is time for Glues, Brews and Goos! From our stockpile of hundreds of recipes and formulas, we have chosen our top favorite chemistry activities. Campers will love digging into and examining the results of these crazy chemical concoctions! Campers will create several other wacky, wild and crazy concoctions! Our Jr. Chemists will realize the importance of measurement and sequencing as they use a taco sauce creation to clean pennies and investigate candy chromatography. Sample Projects: Blob Explosions, Funny Putty, Magic Bubble Paint, Make your own Chewing Gum.

Jr. RPG Game Design (grades 1st-3rd) \$349

Make your role-playing games come to life! Our RPG Maker camp shows 6-8 year old campers how to create their very own epic role-playing game using the RPG Maker VX Ace program, where they will battle fierce monsters prowling in a dungeon. Campers will learn what RPG is, the history of RPG, all the basics, the character, and all aspects of the game.

Jr. Physician (grades 1st-3rd) \$349

This camp was formerly unknown as: Young Physician. It's the same camp, just a different name Make NO bones about it; this camp is for the aspiring "Young Physician".

Campers will learn that their bodies are miles of blood vessels, hundreds of muscles, many thousands of hairs, a furnace, a filter, AND a fancy computer! Your Young Physician will really have a *pulse* on the human body with this camp! Throughout the week they will build a lung model, create a spinal column, be real lab technicians as they swab and grow their own bacteria, and many more experiments in anatomy and physiology. Campers receive their own stethoscope and percussion hammer. *If there is a future doctor in your house-this is the camp for them!*

Sea Adventures (grades 1st-3rd) \$349

Arrrrrrrg! Welcome Me Hearties! Calling all Marine biologists! Campers will explore the crystal blue oceans studying the structure of our oceans, marine life, and environmental issues. In addition to our oceanography experiments and activities, no sea adventure would be complete without some pirate escapades in search of gold, gems, and of course, some buried treasure.

Great Masters (grades 4th-6th) \$359

Design, draw, build, construct, paint and sculpt as you explore the great artists and engineers of the world while creating your own distinctive flair! Travel throughout time as you experiment with thick paints like Van Gogh, go wild with clay a la Pablo Picasso, design 3D Nevelson installations, experience first-hand the challenge of doing Michelangelo's ceiling paintings, discover the playful work of Matisse, and create self-portraits like Frida Kahlo. Learn design engineering skills to build a castle like architect Julia Morgan's Hearst castle, construct a prototype flying machine like Leonardo da Vinci and the Wright Brothers, and fashion rescue bots via Robin Murphy. This camp offers, hands-on imaginative projects while combining art and engineering!