Become a MOSI member and save 25% on camps!

Science, Technology, Engineering, Art and Math (STEAM) camps for kindergarten to high school
MOSI’s Summer Science Camps bring science, technology, engineering, arts, and math (STEAM) alive through hands-on experiments and building projects. From launching rockets, building robots and extracting DNA, we are about creating the experiences that expand interests and make dreams a reality. Doing real science with the tools and technologies used by industry professionals is just one way MOSI Summer Science Camps inspire our campers with a can-do attitude that can last a lifetime. Real science coupled with exciting experiments, simulations, explorations, and inventions will help you discover the innovator within.

Become a MOSI Member today and save 25% on camp fees

Designing video games, creating art with lasers, searching for fossils, using DNA to solve crimes, and cooking up edible slime are just some of the thousands of Summer Science Camps experiences waiting for you. It’s easy to find the right summer camp for you at MOSI.

MOSI’s Summer Science Camps offer:
• A wide range of fun camps for every interest from kindergarten through eighth grade
• Instruction by certified teachers and experienced science and technology educators in a positive environment
• Opportunities to conduct experiments and use cutting-edge equipment and technology
• Access to current science and technology in one of the best science centers in the world
• Upgrades available for extended care from 7 – 9 am and 4 – 6 pm.
• Each camper receives a MOSI Summer Science Camp 2020 T-shirt

Ready for a summer of science adventures? Review the camp descriptions and use the Schedule-At-A-Glance on pages 13-14 to help plan your summer. Complete the enclosed registration form or register online at mosi.org. Call us with any questions at 813-987-6000.

Each camper receives a MOSI Summer Science Camp 2020 T-shirt.

MOSI 2020 SUMMER SCIENCE CAMPS

Multiple-week discounts make it easier to attend all summer-long, with up to $225 off.

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Travel Included • Camps with this icon include field trips to other exciting destinations

THANKS TO THE GENEROUS SUPPORT FROM

MOSI is a 501(c)(3) non-profit, community-based institution and a leader in STEAM education dedicated to making a difference in people’s lives by making science real. This program is sponsored in part by the State of Florida, Department of State, Division of Cultural Affairs with support from Hillsborough County and the Hillsborough County Board of Commissioners, Sandra I. Muma, Ken Hagan, Lesley "Les" Miller, Jr., Stacy White, Mariella Smith, Pat Kemp and Kimberly Guerman. Florida Department of State: Laurel Lee, Secretary of State - Florida Arts Council Division of Cultural Affairs

Register now at mosi.org
SUMMER SCIENCE CAMPS

MOSI 2020

**COMPLETED KINDERGARTEN**

**Full Day Science Camps**
Fee $279  
Member Fee $209

It’s never too early to engage your young scientist with fun and exciting activities!

**Discovering Dinosaurs**
June 1 - 5
Scientists are discovering new facts about these incredible creatures every day! Learn what's new, help build a volcano, watch it erupt and make your own fossil as you explore the world of dinosaurs.

**Make It Up!**
June 8 - 12
Do you love creating? Go green in this camp that explores ways to help the environment! Make games and toys from recycled materials and explore the art of "upcycling"!

**All About Bugs!**
June 15 - 19
Get up close and personal with the world of bugs as you garden, grow. experiment with goo, globs, oozes and blobs. explore the insects that call the garden home. Through science experiments, insect art projects and real life bug encounters you will learn how insects see, study the butterfly lifecycle and discover how insects help the garden grow.

**Super Me!**
June 22 - 26
Save the day by becoming a superhero! Choose your superpower, create your own comic, make a costume and do good deeds in this Super Duper session!

**Icky & Sticky!**
June 29 - July 3
In this slimy class where mixing, stirring, pouring and measuring create some gross mixtures, you get to get messy! Make some cool gooey stuff in this camp as you experiment with goo, globs, oozes and blobs.

**Funny Farmers**
July 6 - 10
Find out where your favorite food comes from by becoming a farmer! Grow plants from seeds, learn about veggies and fruits and milk a "cow". Meet real barnyard animals like goats, ducks and chickens!

**Kitchen Concoctions!**
July 13 - 17
Cooking and chemistry are closely related, as you will learn in this camp full of measuring and mixing! Make some chemical reactions and some tasty treats as you stir up some fun!

**Construction Junction**
July 20 - 24
Explore engineering in this session for future designers! Find out about bridge building, levers, pulleys and gears in this block building bonanza!

**Moon Pies**
July 27 - 31
Want to be an astronaut? Explore space and create your own star constellation. Make craters on your moon and discover how the moon changes. Visit the Saunder’s Planetarium in this out-of-this-world camp about the moon, planets and stars!

**Summer Science Bash**
August 3 - 7
Summer fun is crammed into this last week of camp! Try out "cool" hands-on science experiments. Every day is full of fun, games and adventure that you think up!

**Superhero Academy**
July 13 - 17
Shoot a spider web. Lift a car. Become invisible. Use science to become a superhero complete with costume and cool superhero name. Rescue kittens in trees, lasso bad guys, and save the day. Discover your special super power!

**Running with the Dinosaurs**
July 20 - 24
Live the life of dinosaurs through chomping experiments, dino grooves, andpteranodon glider flights. Become a paleontologist and search for fossils. Practice hunting like a velociraptor, and protect yourself like an ankylosaurus!

**Animal Bots**
July 27 - 31
Dive into the field of LEGO robotics as we use the latest WeDo 2.0 kits to make robots that can dance, draw, or act totally silly. Test out your kinetic inventions by building an animal-bot zoo or silly circus. No programming experience needed.

**Summer Science Bash**
August 3 - 7
Summer fun is crammed into this last week of camp! Try out "cool" hands-on science experiments. Every day is full of fun, games and adventure that you think up!

Summer Camp Volunteer Opportunities

Do you know a student who’s 15 or older and is looking for a great volunteer opportunity?

Information on our Summer Science Camps Volunteer Counselor positions will be posted on our website this spring.

[mosi.org/get-involved/volunteer/](mosi.org/get-involved/volunteer/)

**COMPLETED FIRST GRADE**

**Full Day Science Camps**
Fee $279  
Member Fee $209

Allow your child to explore at MOSI camp!

**Lego My Legos!**
June 1 - 5
Can you build the tallest tower from newspaper? Can you create your own city using LEGOs®? Experiment with different materials to see what works best! Become an architect and an engineer in this building camp full of LEGOS®!

**Chocolate Factory Fun**
June 8 - 12
Turn your desserts into science labs! Explore the science and art behind melting sugars into hard candy and fudge. Discover ways to create houses from sweets. Create edible artwork to add to the fun. Science was never this delicious!

**Create, Construct, Invent!**
June 15 - 19
Kick-start your future as an inventor by experimenting with levers, pulleys, and other simple machines to launch marbles down winding tracks. Think up new inventions. Take part in various build challenges make your own creations in MOSI’s maker space!

**How to Be a Mad Scientist**
June 22 - 26
Have you ever wanted your own secret laboratory where you hatch your plan to take over the world? Well, join the camp that’ll show you how to make powerful potions, scary inventions, and laugh in a sinister way. Muah ha ha ha!

**Slime Attack**
June 29 - July 3
Prepare to get messy as we whip up a week full of zany goos and oohs. Make moving magnetic slime, combine chemicals to create color-changing, fizzing and glowing reactions. Discover what common, ordinary things from your kitchen can make you a mad scientist feared by those who like to be clean.

**Kitchen Wizards**
July 6 - 10
Learn the kitchen magic of breads and other concoctions. From simple soda to homemade soft pretzels, what ingredients make bread rise, cause bubbles and make things yummy?

**Superhero Academy**
July 13 - 17
Shoot a spider web. Lift a car. Become invisible. Use science to become a superhero complete with costume and cool superhero name. Rescue kittens in trees, lasso bad guys, and save the day. Discover your special super power!

**Running with the Dinosaurs**
July 20 - 24
Live the life of dinosaurs through chomping experiments, dino grooves, andpteranodon glider flights. Become a paleontologist and search for fossils. Practice hunting like a velociraptor, and protect yourself like an ankylosaurus!

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July 27 - 31
Dive into the field of LEGO robotics as we use the latest WeDo 2.0 kits to make robots that can dance, draw, or act totally silly. Test out your kinetic inventions by building an animal-bot zoo or silly circus. No programming experience needed.

**Summer Science Bash**
August 3 - 7
Summer fun is crammed into this last week of camp! Try out "cool" hands-on science experiments. Every day is full of fun, games and adventure that you think up!
**COMPLETED SECOND GRADE**

**Full Day Science Camps**
- **Fee**: $279
- **Member Fee**: $209

Explore a galaxy of fun this summer at MOSI! Prepare for launch! Morning and afternoon extended hours available.

**BURP! The Human Body**
- **June 1 – 5**
  - Have you ever wondered why we burp, or sneeze? Learn about your heart, stomach, bones, and more in this camp where it’s okay to be gross! Break down food, build lungs, and make a robot hand in this health science camp!

**The Art of Science**
- **June 8 – 12**
  - Unleash your creative side as you use science to create unique artwork. Learn about the science of color, music, and more! Use a splash of chemistry and a stroke of genius to craft a masterpiece. Figure out what makes the world around us beautiful.

**Sweet Science**
- **June 15 – 19**
  - Feed your sweet tooth and your brain as you cook up delicious goodies with science. Experiment with sugar and chocolate to make fudge. Build gingerbread houses and edible windows! Fool your taste buds and your senses. Design and “market” your own candy bar!

**Tinkering Kids**
- **June 22 – 26**
  - This camp is for kids who like to make interesting, artistic, delicious goodies with science. Experiment with dry ice. Chill out and learn about everything frozen in this cool camp.

**Don’t Try This at Home**
- **July 6 – 10**
  - Explore hotdogs in the microwave and slide down a Jell-O covered slide. Explore the silly side of science that you’ve always wanted to try but have never been able to. Press your hands into wet concrete and drench your friends with soda in this fun, but messy camp!

**Adventures at Hogwarts**
- **July 13 - 17**
  - On your next Minecraft masterpiece is only a few blocks away! Learn how to make a difference and have fun doing it! Design robots and head to the astronomy tower to uncover the mysteries of the stars. Practice crafting illusions to enchant family, friends, and fiends at our grand finale!

**Spies and Ciphers**
- **June 15 - 19**
  - Do you have what it takes to be an agent of international espionage? Make and break codes, design and test the latest gadgets, and learn to walk away from an explosion without looking back! Cryptography, technology, and chemistry combine to make a one of a kind top secret adventure. Details classified.

**The Science of Sports**
- **June 22 - 26**
  - Run, jump, and play all week long! Have you ever wondered about the science of throwing farther, running faster, or leaping higher? Physics and biomechanics combine as you measure your heart rate, lung capacity, and reflexes. Design sports equipment, prosthetics, and even your own new game!

**Junkyard Astronauts**
- **June 29 – July 3**
  - Build and launch high-flying rockets using everyday materials. Experiment with different propulsion systems including solid fuel and air pressure. Show off your creativity with daily space challenges and launch your summer sky-high!

**Summer Science Bash**
- **July 6 – 10**
  - Summer fun is crammed into this last week of camp! Try out “cool” hands-on science experiments. Every day is full of fun, games and adventure that you think up!

**Technology and Engineering Camps**
- **COMPETED 2ND – 3RD GRADE**
- **Fee**: $279
- **Member Fee**: $209

Be inspired and become a problem solver with technology camps that will help you see the sky’s the limit!

**Minecraft Builders**
- **June 1 – 5**
  - Your next Minecraft masterpiece is only a few blocks away! Learn the techniques, tips, and tricks for building like the pros. Work individually and in small teams to accomplish some of the build challenges and work in one large group to design and build a large-scale city!

**Code Lab 101**
- **June 8 – 12**
  - Hello, World! Kick-start your career in computer science by using drag-and-drop coding tools to create interactive stories, puzzles, and mini-games. There’s no need for previous programming experience to have a great time coding in this camp!

**Junior Computer Game Designers**
- **June 15 – 19**
  - What happens behind the scenes of video game creation? Think like a game designer as you use easy-to-master tools to create interactive favorites like pong, brick breaker, and more! Learn how programming, art, and imagination come together to make popular games. Beginners welcome!

Adding the “A” in STEAM!
- **Fee**: $314
- **Member Fee**: $269

Unleash your creative side as you use science to create even more unique artwork. Learn about the science of color, music, and more! Use a splash of chemistry and a stroke of genius to craft a masterpiece. Gain a deeper understanding of what makes the world around us beautiful.

**Summer Science Bash**
- **August 3 – 7**
  - Summer fun is crammed into this last week of camp! Try out “cool” hands-on science experiments. Every day is full of fun, games and adventure that you think up!

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**COMPLETED THIRD GRADE**

**Full Day Science Camps**
- **Fee**: $279
- **Member Fee**: $209

Formula for a fabulous summer: MOSI Summer Science Camp + You + Curiosity = 2 Much Fun! Morning and afternoon extended hours available.

**Fizz, Bang, Boom!**
- **June 1 - 5**
  - Shoot fireworks and create explosions! Get ready to get loud as you try experiments that will surprise you and take your breath away. Use chemistry in ways you never have before to make things that glow in the dark or fizz in water!

**Planet Protectors**
- **July 13 - 17**
  - Have you ever wanted to save the world? Design robots to clean up our beaches and oceans. Make your own water test strips, track the health of trees, and build bee hotels. Learn how to make a difference and have fun doing it!

**Wizard’s Workshop**
- **July 20 - 24**
  - Discover the magic of science and unlock the secrets of the wizarding world in this Harry Potter themed adventure. Create potions, study owls and other curious creatures, and head to the astronomy tower to uncover the mysteries of the stars. Practice crafting illusions to enchant family, fairies, and fiends at our grand finale!
LEGO Machines
June 22 - 26
You’ve played with LEGO, but never quite like this. Why settle for making static structures when you can have moving parts? Add some excitement to your builds as you add LEGO Mindstorm components to your creations to bring your ideas to life.

Robot Rumble
June 29 – July 3
Interested in what makes robots work? Curious about programming their commands? Want to make a robot fighting machine? Well, now you can! In Robot Rumble, you’ll gain first-hand experience in working with LEGO’s flagship EV3 robots and you’ll have the chance to build the ultimate battlebot for the camp’s final showdown. Will your robot reign supreme?

Lights, Cameras, ACTION!
July 6 - 10
Join us in this action-packed adventure as we make the movie of the summer, starring YOU! Are you the villain or one of the hercules? Perhaps the mad scientist responsible for it all? Are you just a concerned citizen in our make-believe world? Find your role, and who knows, maybe you’ll join a league of heroes who saves the day.

Computer Artists
July 13 - 17
Get into the blocky world to explore, build, defend, or to simply look for inspiration.

Minecraft Art and Prop-making
July 13 - 17
Bring the world of Minecraft to life by creating your own character head, 3D mobs, tools, and more for you to take home! Use it for decoration in your room, or share your creation by giving them a golden apple. Need some ideas? We’ve got you covered; each day will have designated times where you can jump into the building to explore, build, defend, or to simply look for inspiration.

Inventive Chemistry
June 8 - 12
Bring your appetite and taste buds to the most delicious science camp ever! Apply microbiology and chemistry to discovering ways to improve the taste, nutrition, and the look of foods such as yogurt, cheese, desserts, and snack munchies. Create candies and new varieties of chocolate in the lab. Enter a cooking competition where your knowledge of science as well as your master chef skills will win you the title of “Iron Chef”!

MOSI: Agents of S.T.E.A.M.
June 1 - 5
Recruits, we are looking for a few good men and women that are interested in science, technology, engineering, and mathematics. Thwart those who would use this knowledge for their own vile purpose in order to take over the world. Understand how to crack codes and solve puzzles using the principles of STEAM. Build structures and use computers to design defensive systems to protect the Earth. Future agents - you will live in the shadows and hide in the darkness in order to have level 1 clearance. Are you up to it?

Rocket Science
June 8 - 12
Start the week building and launching model rockets, and then use your skills to create a one-of-a-kind rocket of your design. Gain knowledge of the physics of propulsion and flight. Experiment with different entry and capture systems like parachutes and nets. Experiment with the chemistry of fireworks to discover the formulas behind their colors. Travel to Kennedy Space Center with MOSI’s Space & Flight team (To allow for travel time for the field trip, Friday’s hours are 8 a.m. - 7 p.m.)

Jr. MOSI MD
June 15 - 19
Explore several aspects of health and medical disciplines from first responders to heart surgeons. Participate in immersive, hands-on activities such as dissections and work with theatrical makeup. Play in a Quidditch arena. Work together with teammates to create a robotic planet rover. Conduct space and astrophysics experiments to prepare you for life in space. Train to successfully complete a mission. On Thursday, we’ll search the skies for nebulae, galaxies, and planets with powerful telescopes while we construct a giant-sized space station with MOSI overnight. MOSI provides meals from dinner on Thursday through lunch on Friday.

Jr. Iron Chef
June 22 - 26
Bring your appetite and taste buds to the most delicious science camp ever! Apply microbiology and chemistry to discovering ways to improve the taste, nutrition, and the look of foods such as yogurt, cheese, desserts, and snack munchies. Create candies and new varieties of chocolate in the lab. Enter a cooking competition where your knowledge of science as well as your master chef skills will win you the title of “Iron Chef”!

MOSI Mythbusters
June 29 – July 3
Bust modern urban myths and popular beliefs using electricity, static structures, and wild inventions. Can you sneak past motion detectors? Can air cause your stomach to explode? Is milk or water better to treat a mouth full of hot peppers? Get to the truth behind the myths you choose with explosive, yet safe results. It’s no myth that this camp is awesome.

The Battle of Hogwarts
July 6 - 10
Celebrate the climactic end of the Harry Potter series through a live action role playing extravaganza. Learn the various skills of wizardry at Hogwarts. Learn about swordsmanship, acting, story-telling, and solving mysterious puzzles. Create the art of illusion with your concoct and learn to create costumes and work with theatrical makeup. Play in a Quidditch tournament for added fun. Let’s band together for a week of exciting adventures!

Talented Tinkerers
July 13 - 17
This camp provides students the rare opportunity to grow from being a user of information to being a creator of something that is innovative. Participants will have the opportunity to create, design, code, build, program, tinker, craft and invent while collaborating with their peers. Participants will be encouraged to use self-expression and imagination to make their own design come to life!

Space Academy
July 20 - 24
Includes one overnight
Can you handle the excitement and challenge of astronaut training camp? Work together with teammates to create a robotic planet rover. Conduct space and astrophysics experiments to prepare you for life in space. Train to successfully complete a mission. On Thursday, we’ll search the skies for nebulae, galaxies, and planets with powerful telescopes while we construct a giant-sized space station with MOSI overnight. MOSI provides meals from dinner on Thursday through lunch on Friday.

Inventive Chemistry
July 27 - 31
Wield the power of chemistry to create amazing formulas and products from soap to fireworks. Use the creative side of chemistry to create colorful dyes. Use the useful side of chemistry to put out fires and analyze the nutrition of food. Experiment with the science behind Pop Rocks® and other candies to bust up some myths in the lab.

Summer Science Bash
August 3 - 7
Summer fun is crammed into this last week of camp! Try out “cool” hands-on science experiments. Every day is full of fun, games and adventure that you think up!

Robot Showdown
June 8 - 12
Work in teams to build robots that can navigate through mazes, play robot sports, and compete in the battle arena. Work with LEGO’s top-of-the-line EV3 kits and their intuitive visual programming language to make your ultimate robotic creation come to life! Learn programming and engineering skills on your way to victory.

Technology and Engineering
COMPLETED 4TH & 5TH GRADE
Fee $279
Member Fee $209

Seek out inspiration in technology camps that promote creativity, critical thinking and imagination through invention, game design, media production and programming. Morning and afternoon extended hours available.

Minecraft Worlds
June 1 - 5
Explore and create marvels of architecture in different Minecraft worlds! Challenge yourself to building and design projects that simulate skills used by real-world architects, urban planners, and engineers and learn tips and tricks used by video game map creators to lay out your world.

Full-Day Science Camps
Fee $279
Member Fee $209

This camp provides students the rare opportunity to discover the formulas behind their colors. Travel to Kennedy Space Center with MOSI’s Space & Flight team (To allow for travel time for the field trip, Friday’s hours are 8 a.m. - 7 p.m.)

Inventive Chemistry
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Fee $279
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Minecraft Worlds
June 1 - 5
Explore and create marvels of architecture in different Minecraft worlds! Challenge yourself to building and design projects that simulate skills used by real-world architects, urban planners, and engineers and learn tips and tricks used by video game map creators to lay out your world.
In a Galaxy Far, Far Away

July 20 - 24

Be a part of the phenomenon that has swept the galaxy by making your own Star Wars episode. Learn how to battle with lightsabers as well as how to direct, act, or operate a camera to create movie magic. Use special effects to be transported to distant worlds and build movie props to use on the set. End the week with a movie premiere for your friends and family.

STEAM Quest

August 3 - 7

Does your passion for STEAM adventure make you want to unleash your inner Indiana Jones? Participate in fun STEAM challenges that will have you tied up in knots, using polymers and metals. These activities are just scratching the surface of what you will be able to accomplish in this class. At the end of the week, you will agree that this class was Fab-tastic!

STEAM Career Camps @ MOSI

COMPLETED 6TH - 8TH GRADE

Full-Day Science Camps

Fee $332

Member Fee $250

Strange Stuff

June 1 - 5

Delve into the strange stuff of science that peaks the curiosity most children. Some of the challenges this week will include understanding exothermic and endothermic reactions and strong acids and bases. Make everything from soap to soda! This camp will challenge your mind and your taste buds. Learn how to cook with salt, baking soda, and vinegar! Create cool molds using polymers and metals. These activities are just scratching the surface of what you will be able to accomplish in this class. At the end of the week, you will agree that this class was Fab-tastic!

Innovative Athletics

June 15 - 19

Do you want to throw a football, shoot a basketball, or hit a baseball like the pros? Then this camp is for you. Learn the mechanics behind throwing a football 50 yards down the field with accuracy and making a three-pointer from 22 feet away on the court. Discover why sports teams use the science of biomechanics to help their players compete more efficiently but also use data analytics to improve their overall athletic performance. This camp will show you the STEAM of sports.

Materials Matter

June 22 - 26

What do you get when you cross metallurgy, physics, chemistry, civil engineering, and mechanical design? Materials Science! Explore the materials used to make stuff stronger, lighter, and just plain better. You’ll see science transformed into technology through engineering by having a contest to create the strongest cement and concocting elastic polymers. Join us in the lab during a fast-paced week of learning and fun! This camp is offered in partnership with the American Society of Materials.

MOSI Iron Chef

June 29 – July 3

Do you have what it takes to be the next MOSI Iron Chef? Find out in this exciting camp where you will be challenged to create culinary masterpieces featuring a ‘secret ingredient.’ Master basic kitchen skills, discover how to put your own twist on recipes, and find out how to make tasty creations under pressure from professional chefs. Make a variety of tasty treats from appetizers to desserts. Learn new ways to create cooking even more fun and unique by experimenting with foams, flames, and other science tricks. Explore the world through the cuisine and cooking techniques from other cultures. Enjoy a delicious week becoming the ultimate gourmet connoisseur.

The Thrill of Victory

July 6 - 10 AND July 13 - 17 (2 – Week Camp)

Calling all gamers! E-Sports is all the rage and MOSI is challenging you to take part in a new camp. This is a camp where you can sharpen your skills while instructors give you great tips and guide you through some of the most fun games in the E-Sports genre. Become a member of a competitive team as you all vie to become the best team in camp. This camp requires a consecutive two-week commitment. In this camp, you will grow with the community of gamers to make yourself better. The best part of this camp is that there are no skills are required to participate. There will be many fun surprises in store for you. So get ready because it’s: GAME ON!

Fab Lab

July 20 - 24

Use the tools in the Fab Lab to make some wonderful creations! Create awesome projects using a 3-D printer. Create tools like a flashlight or wrench using materials that are at your disposal. Create cool molds using polymers and metals. These activities are just scratching the surface of what you will be able to accomplish in this class. At the end of the week, you will agree that this class was Fab-tastic!

MOSI MD

July 27 - 31

Interested in exploring career options in the fields of health and medicine, but not quite sure what areas you might enjoy and excel in the most? Then this awesome, but not for the faint of heart, camp is for you! We will explore several aspects within a variety of health and medical disciplines from first responders to heart surgeons. Participate in immersive hands-on activities such as performing mammal heart and brain dissections, suturing up patients, making an emergency triage, or investigating a mysterious fatal outbreak that is sweeping the nation. You will learn about surgical procedures, anatomy and physiology, risk factors, advanced scientific research, and much more. This camp will give you a foundation of knowledge that will be vital to your success in the medical profession.

Join us in the lab during a fast-paced week of learning and fun! This camp is offered in partnership with the American Society of Materials. Does your passion for STEAM adventure make you want to unleash your inner Indiana Jones? Participate in fun STEAM challenges that will have you tied up in knots, using polymers and metals. These activities are just scratching the surface of what you will be able to accomplish in this class. At the end of the week, you will agree that this class was Fab-tastic!
Technology and Engineering

COMPLETED 6TH - 8TH GRADE

Fee $279
Member Fee $209

Minecraft Immersion
June 1 - 5
You’ve played Minecraft, but never quite like this. Step into the virtual world of Minecraft and get a chance to experience a new dimension in gaming as we use the Oculus Rift Virtual Reality Headset to explore the many biomes of everyone’s favorite sandbox game.

Circuit Hackers
June 8 - 12
Learn how to design, build, and modify electronic circuits starting from the ground up to make things that buzz, glow, or move! Discover the inner workings of the electronics all around us and compete in games using electric and robotic creations.

Python Computing
June 15 - 19
What do YouTube, Google, Reddit, Instagram, and Yahoo Maps have in common?? They all use Python as their backbone! Experience the versatility of the Python programming language and learn why so many of the world’s biggest websites and applications trust it to run their programs.

3D Modeling and Design
June 22 - 26
Use powerful 3D software to create realistic worlds with buildings, vehicles, and more for use in 3D games. Learn the history of 3D modeling and try your hand at designing virtual creations throughout the week to showcase on Friday.

Ready? Set. Game on!
June 29 - July 3
School’s out, gaming’s in! Join in on the fun as we make our way through our collection of games for Xbox, Playstation, and Nintendo consoles and yes, even PC games. Learn tips and tricks from your peers and share some of your own (Konami code anyone?).

Prototyping 101
July 6 - 10
Use cutting-edge technology to design and create models of tools, spaceships, and other inventions directly from your imagination. Create a prototype of your idea using powerful 3D software and bring it to life using one of our 3D printers. Design the ultimate invention in this exciting camp that shows you how you can “make anything.”

Minecraft Modding
July 13 - 17
Whether it’s Galacticraft or Pixelmon, half the fun of playing Minecraft comes from the mods you use. In this camp, you’ll learn the skills needed to make your own mod for Minecraft. Create textures, edit code, and add armor, blocks, items, tools, and more to create a unique mod made by you!

Behind the Scenes!
July 20 - 24
Show the world your skills as a director, producer, editor, or actor by putting together a short video that we’ll showcase on Friday. Learn how to develop a script, characters, and a story, and get a behind-the-scenes look at how a video production is put together. Use our green screen to add special effects for a cool, impressive look!

Virtual Reality Game Design
July 27 - 31
Explore new boundaries with virtual reality! Design and develop games for the Oculus Rift VR headset and see what’s possible with this new technology. Experience a new era of game design as you immerse yourself in the virtual worlds you create.

Physical Computing***
August 3 - 7
The Arduino is a credit card sized programmable microcontroller that lets you create high tech gadgetry such as a digital thermometer, an intruder alarm, and more! Learn to code with Python and develop your skills in computer science and electrical engineering. Take the Arduino home at the end of camp to further hone your skills.

***Additional $50 fee applies due to take home components. Each camper will take home an Arduino with components to expand.

Travel camps

COMPLETED 6TH - 8TH GRADE

Camp size is 13 students per van with 2 adults
Camp Hours: 9 a.m. – 4 p.m.

Minecraft Modding
July 13 - 17
Whether it’s Galacticraft or Pixelmon, half the fun of playing Minecraft comes from the mods you use. In this camp, you’ll learn the skills needed to make your own mod for Minecraft. Create textures, edit code, and add armor, blocks, items, tools, and more to create a unique mod made by you!

Dolphins & Manatees
July 13 - 17
Dive into the underwater world of two amazing marine mammals: dolphins and manatees. Set sail to observe wild dolphins from the deck of a charter boat as they play and swim. Snorkel crystal-clear springs to seek out gentle manatees as they graze. Go on a fossil hunt to collect prehistoric manatee ribs and the teeth of sharks. Meet with experts in conservation and dolphin and manatee first aid. Campers should be comfortable swimming.

Endless Summer
July 20 - 24
Includes 2 nights of camping
Grab your friends and get ready for a fun-filled week. Discover, explore, and camp in the wilds around some of Florida’s most beautiful springs and rivers. Bring a mask and fins every day because you are in store for an awesome water adventure. Learn about the wildlife and aquatic creatures that depend on Florida’s inland waterways. Spend Wednesday morning tubing down the Ichetucknee River and cabin camping Wednesday afternoon through Friday morning at Gold Head Branch State Park in Keystone Heights, FL. Cool off Friday afternoon before coming home at Rainbow Springs State Park.

WHAT TO BRING:
All travel camps involve outdoor activities and swimming. Wear outdoor clothes with a swimsuit underneath and sneakers that can get wet. Bring a towel, hat, sunscreen, lunch, snacks and lots of frozen beverages.

Register now at mosi.org
### Schedule-at-a-Glance

Use this guide to plan out your summer. Find your age group, type of camp, and week(s) you want to take. Complete the registration form or register online at [www.mosi.org](http://www.mosi.org).

<table>
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<tr>
<th>CAMP FEES</th>
<th>SCIENCE CAMPS</th>
<th>TECHNOLOGY CAMPS</th>
<th>SCIENCE CAMPS</th>
<th>TECHNOLOGY CAMPS</th>
<th>STEAM CAREER CAMPS</th>
<th>TECHNOLOGY CAMPS</th>
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<td>Technology</td>
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<td>Session 2</td>
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<td>Make It or Break It</td>
<td>Lights, Camera, ACTION!</td>
<td>Minecraft Builders</td>
<td>LEGO Machines</td>
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<td>MOSI Agents of S.T.E.A.M</td>
<td>Jr. M.O.S.I MD</td>
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<td>Minecraft Worlds</td>
<td>Jr. Iron Chef</td>
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<td>Strange Stuff</td>
<td>Jr. Minecraft Modding</td>
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<td>Session 3</td>
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<td>Create, Construct, Invent!</td>
<td>The Science of Sports</td>
<td>Code Lab 101</td>
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<td>Robot Showdown</td>
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<td>Session 4</td>
<td>Super Me!</td>
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<td>The Science of Sports</td>
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<td>June 22 - 26</td>
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<td>Cosmic Ventures</td>
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<td>Circuit Hackers</td>
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<td>Session 5</td>
<td>Rocky &amp; Sticky!</td>
<td>Make It or Break It</td>
<td>Junkyard Astronauts</td>
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<td>June 29 - July 3</td>
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<td>Kitchen Wizards</td>
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<td>July 6 - 10</td>
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<td>Fabulous Innovations</td>
<td>The Battle of Hogwarts</td>
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<td>Kitchen Concoctions</td>
<td>Superhero Academy</td>
<td>Adventures at Hogwarts</td>
<td>Teacher, Camera, ACTION!</td>
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<td>July 13 - 17</td>
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<td>Planet Protectors</td>
<td>The Thrill of Victory**</td>
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<tr>
<td>Session 8</td>
<td>Construction Junction</td>
<td>Running with the Dinosaurs</td>
<td>Nature Explorers</td>
<td>Minecraft Art &amp; Prop Making</td>
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<td>July 20 - 24</td>
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<td>Wizard's Workshop</td>
<td>Talented Tinkers</td>
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<td>Session 9</td>
<td>Moon Pies</td>
<td>Animal Bots</td>
<td>Super Stars</td>
<td>Minecraft Immersion</td>
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<tr>
<td>July 27 - 31</td>
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<td>Adding the &quot;A&quot; in STEAM</td>
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<td>Inventive Chemistry</td>
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<td>Summer Science Bash</td>
<td>Summer Science Bash</td>
<td>Computer Artists</td>
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<td>August 3 - 7</td>
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<td>Summer Science Bash</td>
<td>STEAM Quest</td>
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<td>Physical Computing**</td>
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</tbody>
</table>

**This camp is a two-week commitment. Program fee is $654 or $500 for MOSI members.

**Additional $50 fee applies due to take home electronic components. Each child will take home an Arduino and components to expand it with.

Register now at [mosi.org](http://mosi.org)
HOW TO REGISTER

MOSI offers three ways to register: drop-off, mail-in, or online.

Mail to: MOSI Summer Science Camp 2019 4801 E. Fowler Avenue Tampa, FL 33617-2099

Drop-Off: MOSI Guest Services Desk Sunday - Saturday, 10 a.m. - 5 p.m.

Online: MOSI.ORG Payments by credit card only. Camp registration is finalized once payment is processed. Discounts are applied during the processing of payments.

Payment:
• Cash: In person only, please
• Check: Payable to MOSI
• Credit Card: Visa, MasterCard, American Express, and Discover

Please verify account name, number, and expiration date.

FOR INFORMATION, CALL (813) 987-6000 OR 1-800-995-6674 or e-mail sciencecamp@mosi.org

REGISTRATION
Summer science camp registrations will not be taken over the phone.
• Register early to ensure admission into your desired camps.
• Complete one form per child. Additional forms available online.
• Online registration is available at MOSI.ORG. Just click on Summer Science Camp 2020 logo, then click 2020 Summer Science Camp link.
• Choose camps based on grade completed as of June 1, 2020.
• Complete the registration form fully. Keep a copy for your records.
• Confirmation of camp registration and program information should be received within 24 hours. Please review the camp registration information and note the start dates for each camp. Refunds will not be issued for missed camps.
• Camp fees include all program fees, supplies, admission, and a t-shirt per camper.
• Multiple week discounts are available.

CAMP SCHOLARSHIPS
• Scholarships are available for those who need financial assistance.
• Scholarship awards for on-site day camps are based on family income, student interest, and student merit. Written proof of financial need is required.
• Scholarship applications are available at MOSI or online at mosi.org beginning in April. You will be notified by the end of May regarding your scholarship.
• There is a limited amount of scholarships and are received on a first come, first served basis, beginning April 1.

OTHER CAMP INFORMATION
• Each class is designed for the skill and social aspects of a particular age group. Please observe the age and grade categories.
• Program capacities are subject to change.
• A $5 fee will be charged for each change made to the original registration.
• Campers must provide their own lunch. Lunch is NOT available for purchase.

DROP OFF & PICK UP
• Children may be signed in 15 minutes before the start of the program and must be signed out no more than 15 minutes after the end of the program. Children are not to be left unattended.
• A fee of $1 per minute is charged for late pick up after 4:15 p.m.
• MOSI offers extended care in the morning from 7 - 9 a.m. and in the afternoon from 4 - 6:00 p.m.

CANCELLATION & REFUND POLICY
MOSI reserves the right to combine or cancel classes that have not met the minimum enrollment. Campers will be placed in an alternative class when possible. If MOSI cancels a class, payment will be fully refunded. For special circumstances, a 75% credit or refund will be granted for written requests made 14 or more days before the first day of the camp session. A 50% credit or refund will be granted for written requests made 13 or fewer days prior to the first day of the camp session. No refunds will be granted on or after the first day of the camp session. Contact the Summer Science Camp Registrar Monday - Friday, from 10 a.m. - 5 p.m. at (813) 987-6000. All requests must be in writing and sent to: MOSI Summer Science Camp 2020, 4801 E. Fowler Avenue, Tampa, FL 33617.

*All registrations subject to camp availability.

2020 Registration Form A

Please use separate form for each child

A Child’s Name ___________________________ Gender: ___________________________

Birthdate ___________________________ Grade Completed by June 1, 2020 ________

School Attending ___________________________ ___________________________

Parent/Guardian’s Name ___________________________ ___________________________

Address _____________________________________________________________ City ___________________________

State ___________________________ Zip ___________________________

Day Phone ___________________________ Evening Phone ___________________________

Cell Phone __________________________________ Email __________________________________

Place of Work __________________________________________________________

Emergency Contact In Summer:
Name ___________________________ Relationship to Child ___________________________

Phone __________________________________________________________

If your child has a condition that needs special attention, please advise (include allergies and medication) ________________________________________________________________

Member Status: ___________________________

☐ I am a MOSI Member Membership Number ___________________________ Name on Membership ___________________________

☐ I am not a MOSI Member ___________________________

☐ I am joining/renewing MOSI Membership at this time (Attach membership application)

Turn this form over and complete each section.

☐ Extended Care fees are based on the number of weeks needed.

☒ Campers must provide their own lunch. Food is NOT available for purchase.
2020 Registration Form B

Child’s Name __________________________

Camp Selections
Use the “Schedule-At-A-Glance” pages to help complete this form

<table>
<thead>
<tr>
<th>Camp Title</th>
<th>Grade</th>
<th>Session #</th>
<th>Fee</th>
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</thead>
<tbody>
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</table>

Line 2 – Special Multiple Week Discount: Determine the number of weeks that the camper is registered for MOSI summer camp. Determine the number of weeks that siblings are registered for MOSI summer camp. Add the number of weeks together and determine final discount.Sibling registration forms must be submitted at the same time to qualify for multiple week discounts.

3 – 5 weeks take $75 Off
6 – 8 weeks take $175 Off
9 weeks or more take $225 Off

F Donations
Help us send a kid to camp who can’t afford it.

Payment Please check one:
☐ Cash (in person only) $ _______
☐ Check (payable to MOSI) $ _______
☐ MasterCard / VISA / American Express / Discover (circle one) $ _______
Card # ___________________ Exp. ___________________
Name on Card ___________________ Signature ___________________

Office Use Only: Registrar’s Initials _______ Date of Processing _______

MOSI Membership Form

Become a Member today and SAVE on MOSI Summer Science Camps! A MOSI Membership is more than just access to year-long fun. Embrace the power of your inner geek with endless exposure to Science, Technology, Engineering, Arts, and Math (STEM). With discounts on Summer Science Camps, and more, along with free or reduced admission to more than 450 local and national attractions, a Membership to MOSI is pure genius.

Please check one:
☐ New Member
☐ Renewing

Title:  ☐ Mr.  ☐ Mrs.  ☐ Ms.  ☐ Miss  ☐ Dr.
Primary Member Name __________________________
Birth Date __________

Title:  ☐ Mr.  ☐ Mrs.  ☐ Ms.  ☐ Miss  ☐ Dr.
Secondary Member Name __________________________
Birth Date __________

Contact Information

City __________________________
State __________________________
Zip __________________________

Phone __________________________
E-mail __________________________

How did you hear about MOSI Membership?
☐ Mail
☐ Email
☐ TV
☐ MOSI staff
☐ Facebook
☐ Radio
☐ MOSI website
☐ Referred by: __________________________
☐ Other: __________________________

Camp Fee Total $ _______

1. Total Camp Fees $ _______
2. Minus Multiple Week Discount $ _______
   Subtract multiple week discount from camp fee subtotal
   (Line 1 minus line 2)
   (if registering for Physical Computing Camp +$50): $ _______
   Camp Fee Total $ _______

Member # __________________________

Donation Total $ _______
Total Fees Enclosed (C+D+E+F) $ _______
   in the amount of $ _______
   Donation Amount $ _______
   Total Due (C+D+E+F) $ _______
   in the amount of $ _______

Membership Levels (please check one):

<table>
<thead>
<tr>
<th>Levels</th>
<th>Dual</th>
<th>Party of 5</th>
<th>Party of 8</th>
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<tr>
<td>☐ $65</td>
<td>☐ $99</td>
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</table>

Payment

Membership Amount $ _______ $ Cash  ☐ VISA  ☐ Mastercard
Donation Amount $ _______ $ American Express  ☐ Check (payable to MOSI)
Total Due $ _______ $ _______ $ _______

Credit Card # __________________________ Expiration Date __________
Printed Name on Card __________________________
Signature __________________________
For office use only
Date __________
☐ Vista Processed  ☐ Siriusware Processed
Promo Code __________________________

Renewing __________________________
New Member __________________________
Referred by: __________________________

Register now at mosi.org