CAMP COSI SUMMER CAMPS provide the perfect opportunity for campers to stay scientific during summer break! Week-long camps offered for grades K-12. Each camp includes 2 daily snacks and all supplies. Parents and caregivers, please pack a lunch for your camper. With topics like Robotics, Amusement Park Science, and Space, there is sure to be something for every camper!

**CAMP HOURS:** 9am-4pm

**ALL CAMPS INCLUDE:**
- Science, technology, engineering, and math content to keep young minds active
- Hands-on activities in COSI’s workshop rooms and exhibitions
- Healthy snacks and outdoor physical activities each day

**CAMP FEES**

**K-5TH GRADE**
- Full Week: $400 (Members), $430 (Nonmembers)
- Day: $90 (Members), $100 (Nonmembers)

**6TH, 7TH, 8TH GRADE**
- Full Week: $375 (Members), $405 (Nonmembers)
- Day: $90 (Members), $100 (Nonmembers)

**HIGH SCHOOL TECH WEEK**
- Full Week: $400 (Members), $430 (Nonmembers)
- Day: $90 (Members), $100 (Nonmembers)

*Participants may purchase single day sessions, or a full week.*

**TYPICAL DAILY SCHEDULE**

- 8am-9am: Drop off
- 9am-10am: Explore a COSI exhibit
- 10am-10:20am: Snack provided by COSI
- 10:20am-12pm: Hands-on activities
- 12pm-12:30pm: Lunch (Provided by Camper)**
- 1pm-2pm: Hands-on activities
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**AFTERNOON CARE 4PM-5:30PM**

$10 per day. A snack will be provided.

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K-1

**RISING KINDERGARTNERS & 1ST GRADERS**

**JUNE 11-15, 2018 & JULY 23-27, 2018**

**MESSY SCIENCE**
Dress for a mess and prepare to get gooey with COSI's famous Messy Science. Together, we'll experiment with COSI's top secret formulas for Flubber, oobleck, slime, and other chemical concoctions. Along the way, we'll investigate chemical and physical changes and make things ooze, slime, and pop!

**JUNE 18-22, 2018**

**BUILD IT!**
Design, build, test, and redesign in this imaginative, inventive hands-on camp. First, we'll explore simple machines and force and motion to see how they power the world around us, then we'll become engineers to see how our designs can become taller, faster, stronger, and more efficient!

**JUNE 25-29, 2018 & JULY 20-AUGUST 3, 2018**

**DIGGIN’ DINOS**
Have an aspiring paleontologist in your family? In this large-than-life week of camp, we'll dig deep into the world of dinosaurs to explore how these amazing creatures moved, ate, lived, and died. Together, we'll analyze fossils, dig for artifacts, and even walk in the footstps of dinosaurs… and the scientists who study them!

**JULY 9-13, 2018**

**SCIENCE OF ART**
Colors, shadows, light, perception… art is science brought to life! In this collaborative and creative camp, aspiring artists and rising scientists alike will join forces to experiment with color mixing, multiple media, and sensational showcases to display the magnificent — and sometimes messy! — world of art.

**JULY 16-20, 2018 & AUGUST 6-10, 2018**

**SPACE**
Ever wonder what's out there? Get a new perspective with COSI's Space Camp, an out-of-this-world week of interstellar exploration! We'll explore our Solar System, engineer rockets, and learn about life in space. Plus, we'll get an exclusive showing inside COSI's Planetarium — the largest in Ohio!

**JULY 23-27, 2018**

**DINO**
Giants walked the Earth 65 million years ago. In this one-of-a-kind camp, we'll dig into the science of these prehistoric creatures to explore the world they lived in, how they survived, and the evidence they left behind. Plus, we'll get an amazing look at the American Museum of Natural History's Dinosaur Gallery to explore amazing artifacts and the latest scientific evidence.

**JUNE 11-15, 2018**

**ASTRONAUT ADVENTURES**
Do you have what it takes to become the next great space explorer? COSI's Astronaut Adventures camp will take you on an out-of-this-world trip beyond Earth's atmosphere to explore our Solar System and beyond, engineer rockets, and see the marvels of space up-close in an exclusive show in our Planetarium.

**JUNE 18-22, 2018**

**DARE TO DESIGN**
If play is the highest form of research, join us in an advanced course! In COSI's Dare to Design camp, we'll explore the engineering that makes our world a better place to live. Experiment with simple machines, force and motion, and more as we innovate and explore to solve real-world challenges.

**JUNE 25-29, 2018 & AUGUST 6-10, 2018**

**SILLY SCIENCE**
Do you think science is cool? I mean, really cool? COSI's one-of-a-kind Silly Science camp is for you. In this behind-the-scenes camp, we'll explore some of COSI's classics like you've never seen them before. You'll get an inside look at our top secret slime recipe, see how we make things pop, fizz, and bubble, and see the crazy-cold effects of liquid nitrogen up close.

**JULY 9-13, 2018 & JULY 30-AUGUST 3, 2018**

**LEGO® ROBOTICS**
What is a robot? How does it work? There's one way to find out. During the week, camps will explore energy, circuitry, and the "language" robots speak: programming! Working in pairs, campers will get hands-on to learn programming basics with Bee Bots, then take control of real LEGO® WEDO robots that light up, make noise, and move!

**JULY 16-20, 2018**

**SUPERHERO SCIENCE**
It's a bird! It's a plane! Nah, it's Super-Science! Come prepared for your super hero training by using science to bring "impossible" super powers to life! Learn to levitate, create weather, and even fly!

**JULY 23-27, 2018**

**ROCKETS & ROVERS**
Prepare for blast off as we take a new look at space in this exhilarating interstellar camp. How do humans explore space? To find out, we'll examine how we learn about the universe beyond our home planet and get hands-on with rockets, rovers, and astronaut missions. Of course, we'll also get closer than ever with exclusive access to the world's best rides and learning what it takes to make them work. Not a thrill ride junkie? No worries! All thrill seeking rides will be there to keep you safe and sound.

**TECH STUDIO**
Participants may purchase single day sessions, or a full week experience.

**JUNE 5-9, 2018**

**TECH WEEK**
High school students can choose from an incredible variety of courses offered in our state-of-the-art Tech Studio.

**NEW!**

**SUMMER 2018 TECH STUDIO CAMP**

**HIGH SCHOOL TECH WEEK**

**MONDAY JUNE 4**

**3D MODELING WITH TECH STUDIO**
Learn to use Autodesk software for 3D modeling. Additionally, concepts of 3D printing will be discussed and Tech Studio printers will be on hand for students to design and print projects. Students will also learn to use Adobe's Photoshop and Illustrator to create their own digital designs. Participants may purchase single day sessions, or a full week experience.

**TUESDAY JUNE 5**

**VIDEO PRODUCTION WITH TECH STUDIO**
Do you spend your summer playing video games? Ever dream of developing your own? In Tech Studio's Video Games camp, we'll explore game mechanics, character design, and advanced programming concepts with Apple's Logic Pro X software. Also learn to write code to take input from sensors and control LED lights.

**WEDNESDAY JUNE 6**

**ELECTRONICS PROTOTYPING WITH TECH STUDIO**
Learn to use Autodesk software for 3D modeling. Additionally, concepts of 3D printing will be discussed and Tech Studio printers will be on hand for students to design and print projects. Students will also learn to use Adobe's Photoshop and Illustrator to create their own digital designs. Participants may purchase single day sessions, or a full week experience.

**THURSDAY JUNE 7**

**3D PRINTING WITH TECH STUDIO**
Learn to create digital art by exploring the tools of Adobe's Photoshop and Illustrator. Discover how your digital creation can be realized into a physical product with the use of Tech Studio's laser cutter and vinyl cutter.

**FRIDAY JUNE 8**

**3D MODELING WITH TECH STUDIO**
Learn to use Autodesk software for 3D modeling. Additionally, concepts of 3D printing will be discussed and Tech Studio printers will be on hand for students to design and print projects. Students will also learn to use Adobe's Photoshop and Illustrator to create their own digital designs. Participants may purchase single day sessions, or a full week experience.

**SATURDAY JUNE 9**

**TECH STUDIO WITH HIGH SCHOOL TEENS**
Participants may purchase single day sessions, or a full week experience.

**SUNDAY JUNE 10**

**HIGH SCHOOL TECH WEEK**

**MONDAY JUNE 11**

**TECH WEEK**
High school students can choose from an incredible variety of courses offered in our state-of-the-art Tech Studio.

**TUESDAY JUNE 12**

**TECH STUDIO WITH HIGH SCHOOL TEENS**
Participants may purchase single day sessions, or a full week experience.

**WEDNESDAY JUNE 13**

**TECH WEEK**
High school students can choose from an incredible variety of courses offered in our state-of-the-art Tech Studio.

**THURSDAY JUNE 14**

**TECH WEEK**
High school students can choose from an incredible variety of courses offered in our state-of-the-art Tech Studio.

**FRIDAY JUNE 15**

**TECH WEEK**
High school students can choose from an incredible variety of courses offered in our state-of-the-art Tech Studio.

**SATURDAY JUNE 16**

**TECH WEEK**
High school students can choose from an incredible variety of courses offered in our state-of-the-art Tech Studio.

**SUNDAY JUNE 17**

**TECH WEEK**
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CAMPS FOR RISING 4TH & 5TH GRADERS

JUNE 11-15, 2018 & JULY 16-20, 2018
LEGO® ROBOTICS
Become a part of an engineering team using a LEGO® Mindstorms® EV3 robot – a sophisticated and state-of-the-art handheld robot waiting for your input. Working in pairs, we will put our robot to the test to complete an array of challenges. Throughout the week, campers will learn the importance of robot sensors, and how these sensors allow the robot to “see” the world around them. Practice programming, sequencing, measurement, teamwork and more as you test and adjust your plan, one step at a time.

JUNE 18-22, 2018
AMUSEMENT PARK SCIENCE
Hold on tight! In this thrilling week of camp, we’ll explore the science of screams to design, build, and test our own roller coasters. Then we’re off to an exclusive tour of Kings Island to spend the day riding some of the world’s best rides and learning what it takes to make them work. Not a thrill ride junkie? No worries! All thrill levels are welcome. (Cost for this camp is $375 for COSI Members and $405 for general guests as it includes park admission to Kings Island.)

JUNE 25-29, 2018
ROCKETS & ROVERS
Prepare for blast off as we take a new look at space in this exhilarating interstellar camp. How do humans explore space? To find out, we’ll examine how we learn about the universe beyond our home planet and get hands-on with rockets, rovers, and astronaut missions. Of course, we’ll also get closer than ever with exclusive access to the Planetarium at COSI — the largest in Ohio!

JULY 25-29, 2018 & AUGUST 6-10, 2018
VIDEO GAMES
Do you spend your summer playing video games? Ever dream of developing your own? It all begins with COSI’s cutting-edge Video Games camp, where we’ll explore basic programming concepts with the Scratch software, then develop, experiment and expand to create a shareable video game for all to enjoy.

JULY 23-27, 2018
CHEMISTRY
Bring the scientific method to life in this chemistry camp for all, as we explore the chemical and physical changes that surround us. How can something be not a gas, not quite a liquid, but not really solid? What is Flubber? Or “elephant toothpaste?” Explore it all when we get up-close and personal with chemistry.

JULY 30, 2018 - AUGUST 3, 2018
SCIENCE SLEUTH
Trouble’s afoot, and we need your help! How can science help solve a mystery? That’s the question, and in this astounding forensic exploration, we’ll use science to find out the answer. As tension builds and the excitement rises, you’ll collect clues, analyze evidence, and study the suspects... can you solve the case?

CAMPS FOR RISING 6TH, 7TH & 8TH GRADERS

JUNE 18-22, 2018
VIDEO GAMES WITH TECH STUDIO
Do you spend your summer playing video games? Ever dream of developing your own? In Tech Studio's Video Games camp, we'll explore game mechanics, character design, and advanced programming concepts with MIT's Scratch. Campers will develop a story and bring it to life in the form of a challenging, interactive game.

JUNE 25-29, 2018
LEGO® ROBOTICS
Dig deeper into robot programming. Campers will work in pairs to program EV3 robots to complete challenges. Installing and using robotic sensors, campers will lead their LEGO® EV3 Robots to accomplish a variety of challenges.

JULY 9-13, 2018
MUSIC PROGRAMMING WITH TECH STUDIO
Are you an aspiring songwriter? Ever wonder about music creation software? Tech Studio's music programming camp will focus on foundational music theory lessons and apply these lessons to Apple's Logic Pro X software. Campers will learn to program a drum beat through a discussion of common uses of musical meter and percussion instruments, develop a baseline by utilizing scales, and implement the basics of melody and harmony.

JULY 23-27, 2018
ELECTRONICS PROTOTYPING WITH TECH STUDIO
Plug into the world of electronics and learn how the components in your everyday devices are wired and programmed. Campers will build a foundation in circuitry and JavaScript coding with Microbit and apply their new skills by programming sensors and LED lights into useful, real world, interactive devices.

AUGUST 6-10, 2018
3D MODELING WITH TECH STUDIO
Transform your creativity from a computer screen to the real world through 3D modeling and printing. Educators in COSI's Tech Studio will teach campers to design 3D models in Autodesk design software, and guide small workgroups in a collaborative, team driven design challenge, resulting in an assembled 3D print to be displayed in the Tech Studio!

Participants may purchase single day sessions, or a full week experience.

MONDAY JUNE 4
DIGITAL ART
Learn to create digital art by exploring the tools of Adobe's Photoshop and Illustrator. Discover how your digital creation can be realized into a physical product with the use of Tech Studio's laser cutter and vinyl cutter.

TUESDAY JUNE 5
VIDEO PRODUCTION
Work with DSLR cameras and learn basic camera functionality (shutter speed, aperture, ISO, and frame rate) and videography techniques. Additionally, explore Apple’s Premiere Pro software for video editing.

WEDNESDAY JUNE 6
MUSIC PROGRAMMING
Use Apple’s Logic Pro X software to create music with virtual instruments incorporating lessons on music theory.

THURSDAY JUNE 7
ELECTRONICS PROTOTYPING
Receive an introduction to the Arduino language and construct logic circuits using the Arduino Uno microcontroller and LEDs/brownies breadboard. Also learn to wire up code to take input from sensors and control LED lights.

FRIDAY JUNE 8
3D MODELING
Learn to use Autodesk software for 3D modeling. Additionally, concepts of 3D printing will be discussed and Tech Studio printers will be on display. Also learn to write code to take input from sensors and control LED lights.
Register for a CAMP

Visit COSI.ORG/KIDS

333 West Broad St. Columbus, Ohio 43215
614.228.2674 | cosi.org