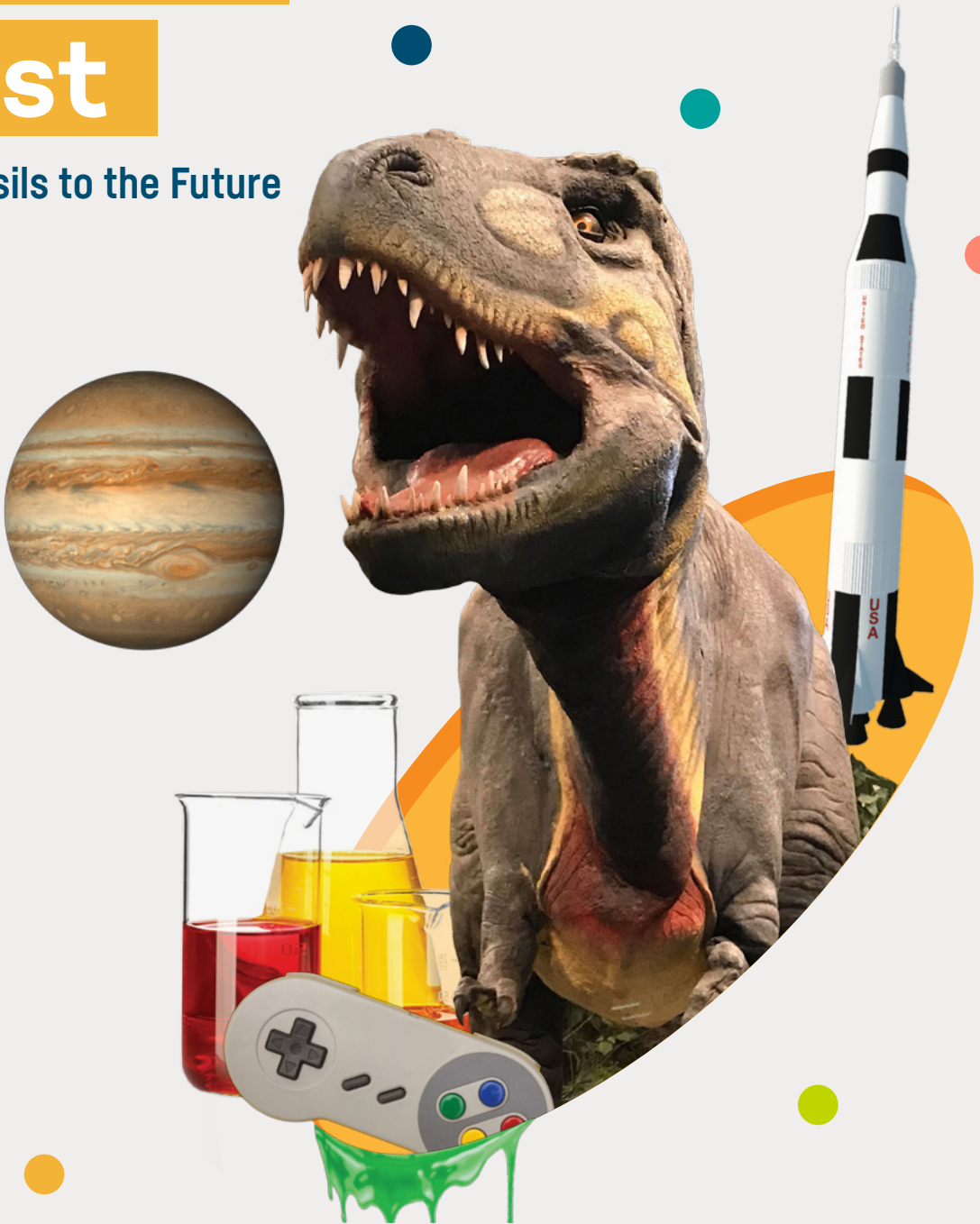


Summer Science Blast

From Fossils to the Future



SAINT LOUIS
SCIENCE CENTER



2020

2020 Future Vision

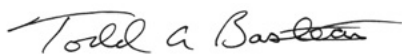
Welcome to the Saint Louis Science Center's Summer Science Blast Camp. We are thrilled that you are considering our camp program to help enrich your child's summer experience. Whether your child is new to Summer Science Blast or returns each year, we are looking forward to empowering them to be curious about the world we live in and understand that their own curiosity can lead to the discoveries and advancements of tomorrow.

In keeping with the organizational mission "to ignite and sustain lifelong science and technology learning," the Science Center's Summer Science Blast Camp provides unique and fun learning experiences. Programs are interactive and forward-thinking, providing your child with the chance to explore new concepts, improve critical thinking and strengthen problem-solving skills.

Every year there is an increase in demand for technology based camps. Children rely on technology for the majority of their play, which challenges their creativity, imaginations and problem solving skills. Technology has become integrated into the classroom to enhance the learning experience for children and is apart of our everyday life. By providing robotic camps and gaming camps, we are providing technical skills to our campers that will be more important in the workplace, as well as the growing impact it'll have on day-to-day life. This year, we have introduced a new hardware and software camp in which campers will design and build their own video game console. Our technology camps will give campers a way to see the science of technology in their everyday lives.

We look forward to a safe and fun-filled summer where campers will get to learn more about the world and themselves, grow their sense of intellectual curiosity, and share their sense of wonder at the Science Center.

Sincerely,



Todd Bastean

President & Chief Executive Officer



Registration Information

Registrations may be submitted by mail, fax, or online at: slsc.org/summer-camps. Online registrations will take priority. Mailed and faxed registration will be processed in the order received. No drop-offs or walk-ins will be accepted.

Mailing Address:
Summer Science Blast
5050 Oakland Ave.
St. Louis, Mo 63110

Priority registration for Science Center members opens **February 3, 2020**. Members receive priority registration until **March 2, 2020**. After March 4, general registration will open.

Camp pricing is for a one-week program. Camp shirts will be given out on the first day of camp. All registered campers are required to wear their Summer Science Blast Camp shirts every day. We are happy to provide an extra camp shirt for \$14/shirt.

Campers must be at least 4 years old by **May 1, 2020** to register or participate. No exceptions are allowed.

Extended Care

This option is available for busy parents who need supervision for campers outside of the regular camp hours. Pre-registration is required 10 business days prior to the first day of each camp week. Before care is available 7:30am–9am and aftercare 3:30pm–5:30pm. The fee is \$50/week per supervised period.

Members

As a benefit of having a Plus or Max level membership, you receive a 20% discount on camp sessions. Membership must be valid at the time of registration. Membership discounts do not apply to extended care.

For more information about becoming a member, what level membership you have, or to upgrade to the Plus or Max level, call our membership team at 314.289.4491 [toll-free 800.456.SLSC x4491].

Scholarships

A limited number of need-based, partial scholarships are available. Your completed registration form must be submitted with the scholarship application. The scholarship application is available online at slsc.org/camps or call 314.289.4439 [toll free 800.456.SLSC x4439].

The deadline for scholarship applications is **April 6, 2020** at 5pm. Applications received after the deadline will not be considered. No exceptions will be made. Final decisions will be made by **April 30, 2020**. All scholarship recipients will be required to pay a portion of the cost of their summer camp registration. Payment is due 3 weeks prior to the registered camp session. Payments not received on time will result in forfeiture of the scholarship.

Questions?

Contact the Science Center's program coordinators at 314.289.4439 [toll-free 800.456.SLSC x4439]. During camp hours, you will be able to reach the Summer Camp supervisor by phone. This phone number will be given to all parents/guardians during the last week of May, 2020.

Day of Camp

Lunch & Snack

Lunch and snacks are not provided by the Science Center. Campers must bring their own lunch if enrolled in a full day of programs. There is a supervised lunch period in the middle of the day. Snacks and a reusable water bottle are recommended for all campers. Campers will not be allowed to purchase lunch in the Science Center. If a camper does not have lunch, parents will be contacted by the on-site supervisor.

Arriving Late & Leaving Early

Please make arrangements for late arrivals or early pick-ups at least 24 hours in advance by 1) notifying your child's camp counselors, 2) by calling the on-site supervisor at the phone number provided after registration, or 3) calling our program coordinators at 314.289.4439.

2020 Schedule

No Camp Week of June 29th		Week 1 June 1–June 5	Week 2 June 8–June 12	Week 3 June 15–June 19	Week 4 June 22–June 26
Age 4–5	AM	Energy Excitement	Dare to Dig	There's No Place Like Space	Dino Discovery
	PM	Science SmARTS	Eco-Explorers	Science FUNDamentals	Science Makes Sense
Age 6–7	AM	Design & Demolish	Bugs!	Icky Sticky Science	A Spoonful of Science
	PM	Gears & Gadgets	I Can Dig It!	Jr. Astronaut Academy	RAWWR! Dinosaur
Age 8–9	Full Day	Design It! Build It!	Robots Jr.	Shoot for the Stars!	Secret Agent Science
Age 10–12	Full Day	Electrify & Energize	Robots Rewired	Out of This World!	Zombie Survival Camp
Age 13–16	Full Day	Flight Academy		Ware We Game	

Camp Hours:

Before Care: 7:30am–9am

AM: 9am–11:30am

Lunch and Recess: 11:30am–12:30pm

PM: 12:30pm–3pm

Full Day: 9am–3pm

After Care: 3pm–5:30pm

**20% OFF Camps For Plus & MAX Level
Science Center Members PLUS Early Registration**

Call Membership Services at 314.289.4491 for information

slsc.org/membership

2020 Schedule

Week 5 July 6–July 10	Week 6 July 13–July 17	Week 7 July 20–July 24	Week 8 July 27–July 31	Week 9 August 3–August 7
Science SmARTS	Eco-Explorers	Eco-Explorers	Science Makes Sense	Science SmARTS
Energy Excitement	There's No Place Like Space	Dare to Dig	Dino Discovery	Dare to Dig
Gears & Gadgets	I Can Dig It!	Jr. Astronaut Academy	RAWWR! Dinosaur	Jr. Astronaut Academy
Design & Demolish	Bugs!	Icky Sticky Science	A Spoonful of Science	Bugs!
XPerience Gaming	Robots Jr.	The Science of Superpowers	Chemistry Catalyst	XPerience Gaming
Robots Rewired	Rocked to the Core	Level Up!	One Giant Leap	
Flight Academy	Flight Academy			

Ages 4–5

	Non-members	Members*
Half Day	\$150	\$120
Full Day	\$300	\$240

Camp price per week

*Plus & MAX Level Science Center Members

Energy Excitement

Get energized! Discover different ways to create and harness energy, and how to conserve this valuable resource. Explore thermal, wind, solar, and kinetic energy through hands-on experiments and demonstrations.

Science SmARTS

Get messy while making masterpieces! Investigate the science behind pigments, perspective, and paper. Make your own works of art from amazing science experiments. You can't be smart without art!

Dare to Dig *New*

Dig up the scientific secrets behind archaeology, paleontology and entomology. Use science to decode clues and piece together the puzzles of the past.

Eco-Explorers

Venture into the science of nature and biology! Grow an ecosystem in a jar, find patterns outside and start your own garden. Discover how different cultures use natural materials to create practical and beautiful treasures.



There's No Place Like Space

3...2...1...Blast Off! Get ready to rocket into orbit and explore things that are out of this world. While visiting the Science Center's James S. McDonnell Planetarium, learn why our Sun is so important, discover the planets of our solar system and investigate what makes each one unique.

Science FUNdamentals

Get ready to have fun with science! Witness amazing chemical reactions that create bubbles, slime and strange color changing liquids. Develop skills such as observation, measuring and curiosity as we experiment with the fundamentals of science!

Dino Discovery

Explore ancient worlds and unearth what it takes to be a paleontologist! From mini excavations to exploring real dinosaur bones, dig into the past to find out all about those great creatures that once walked the Earth.

Science Makes Sense

Delve into how we experience with our world as we play with our five senses. Mystify our eyes with optical illusions, test the basics of balance, and put our noses to the test. See how our brain and body work together through our senses!

Ages 6–7

	Non-members	Members*
Half Day	\$150	\$120
Full Day	\$300	\$240

Camp price per week

*Plus & MAX Level Science Center Members

Design & Demolish

Build a bridge and watch it break. Construct a tower and watch it topple! Investigate the art and science behind constructing buildings and wonders of the modern world, then test your structures to see how much stress and strain they can handle. It's controlled destruction!

Gears & Gadgets

Gears that spin, gadgets that twirl, don't machines make a wonderful world? Become an engineer, maker and tinkerer by using simple machines to design and develop unique inventions. Collaborate with and challenge your classmates to manipulate and build marvelous mechanisms.

Bugs!

They creep, crawl and fly, but are all bugs pests? Join us as we explore all the delicate critters we call bugs! Examine creepy crawlers, spindly spiders and beautiful butterflies. Once we dig in, you'll be buzzing about bugs!

I Can Dig It!

Dig deeper as we look at the science of what's under our feet. The Earth holds many hidden wonders: fossils, worms, roots and caves. What's living below the surface and how does soil help us grow our food? Uncover hidden minerals, prehistoric artifacts and bugs with the help of our underground experts.

Icky Sticky Science

Investigate physical, chemical and phase changes that pop, ooze and change colors. From making slime to uncovering the strange behaviors of non-Newtonian fluids, you'll find science can be fun and messy!

Jr. Astronaut Academy

Get ready to blast off as we learn what it takes to be an astronaut to live and work in space. Build rockets, explore the planets, learn about the stars that twinkle above and make a visit to the Science Center's James S. McDonnell Planetarium!

A Spoonful of Science *New*

From sugar crystals to chemical reactions, discover how tasty science can be! Explore the science that goes on in your kitchen. Experience the chemistry of cooking, make your own butter and enjoy ice cream that freezes in seconds.

RAWWR! Dinosaur

Become a junior paleontologist as we uncover the mysteries of these amazing prehistoric creatures. Dig for fossils with scientists and learn how to identify different types of fossils. Discover how dinosaurs ruled the Earth millions of years ago.



Ages 8–9

	Non-members	Members*
Full Day	\$300	\$240
**Robots Jr.	\$325	\$260

Camp price per week

*Plus & MAX Level Science Center Members

** Some of our premium camps include special pricing due to additional programming costs.

Design It! Build It!

Become a Master Builder by using electricity, physics and engineering! Design and build fantastic contraptions inspired by Rube Goldberg. Consult the Saint Louis Science Center's engineering experts as you apply the not-so-simple mechanics of simple machines.

Robots Jr.

Enter the revolutionary world of robots! Design, build and program your own robot. This camp features problem-solving for students new to robotics. At the end of the week, put your robot to the test by participating in a series of fun engineering challenges.

Shoot for the Stars!

We have lift off! Join our stellar adventure by exploring concepts of the moon and beyond. Investigate celestial objects in our universe and figure out what it might take to explore space. Launch into the world of an astronaut by designing, building and testing your own rocket and rover designs.

Secret Agent Science

Are you ready to begin an undercover assignment? Your mission: become a spy kid! Code and decode secret messages, analyze evidence and solve problems then go on a top-secret scavenger hunt using all the tricks of the trade.

XPerience Gaming

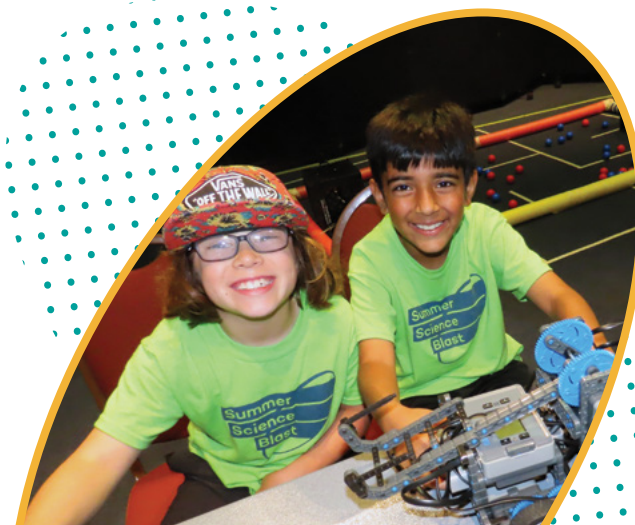
Login to the world of gaming! Learn about character and level design. Match your creativity with technology to play your own games and test them out on your friends. Explore the past, present and future of gaming.

The Science of Superpowers!

Strengthen your science skills by exploring the gifts of various superheroes: powerful spider webs, glowing fish and frozen breath. Create fire without matches! Engineer your own super-gadgets and gizmos during our STEAM challenges as you create a secret identity. POW!

Chemistry Catalyst

Engross yourself in experiments! We'll share the tricks of the trade so you can design and test your own experiments. Beginning with simple safety procedures, this week will build as you experiment with real chemistry!



Ages 10–12

	Non-members	Members*
Full Day	\$325	\$260
**Level Up!	\$400	\$320

Camp price per week

*Plus & MAX Level Science Center Members

** Some of our premium camps include special pricing due to additional programming costs.

Electrify & Energize!

Explore the science of energy and electricity by designing, building and racing your very own electric car! What is electricity and how do we generate electricity? Put static and current electricity to work, experiment with circuits and see a Tesla coil in action.

Robots Rewired

Build a bot and put your programming to the test! Discover the ways computer codes help machines communicate. Compete and collaborate with your teammates respond to real-world robotic challenges.

Level Up!

Program an epic 2D adventure game using professional video game development software. Create heroes, villains and storylines for your own virtual world. Take your game home and put your friends to the test.

Out of This World!

Rocket to the moon and beyond! From space suits to space food, learn how humans adapt to living and working in outer space. NASA building challenges will require you to think outside the box to solve real-world problems. Do you have what it takes to design something truly out of this world?

One Giant Leap *New*

Join us as we explore astronomy concepts and what it is like to prepare for a space mission. Astronauts walked the moon with one giant leap, but where will they land next? Interview experts that regularly work on real-life space missions then plan your own. Build and design your own rockets and launch them at the end of the week.

Rocked to the Core

Volcanoes! Earthquakes! Tsunamis! Oh My! Experience the power of the Earth and feel the forces that shape it. Design, build, and test an earthquake-proof tower. From satellites to submarines, learn how scientists study the Earth and its history. Discover the ground shaking giants that once walked the Earth. You're gonna LAVA this camp!

Zombie Survival Camp

Are you prepared for a zombie apocalypse? To survive, you will need to understand the walking dead. Discover where real-life zombies live on Earth and learn about their creepy behaviors. Engage your grey cells by dissecting a real animal brain. Join us as we investigate these strange beings together. **This camp includes dissections.**



Ages 13–16

	Non-members	Members*
Flight Academy	\$425	\$340
Ware We Game	\$375	\$300

Camp price per week

*Plus & MAX Level Science Center Members

Flight Academy

Get ready to pilot a REAL airplane! After four mornings of training on our state-of-the art flight simulators, YOU will take off, fly and land a real airplane under the supervision of a Certified Flight Instructor from Elite Aviation. Our expert Science Center staff and licensed pilots from Elite Aviation will train you on the same kind of flight simulators used by professional pilots.

Ware We Game *New*

Many people claim to be a gamer, but how many can say they built their own console?! Here's your chance to show off your inner technophile and build your own handheld gaming device. Solder components to a circuit board, customize the software and make this device your own by designing and 3D printing the console shell.





Summer Space Adventures

At Challenger Learning Center

Challenger Learning Center
205 Brotherton Lane
Ferguson, MO 63135
314.521.6205

challengerSTL.org

The Challenger Learning Center, located just north of I-70 in St. Louis County, offers campers ages 8 to 18 opportunities to get in touch with their inner astronaut, engineer, and innovator. For registration and more information, visit challengerSTL.org.

All camp times are 9am–3pm

Young Astronaut Training Camp

Budding astronauts will go on simulated space missions, build and launch rockets, create their own spacesuits, make robots, and more.

Ages: 8–9

Dates: Session 1: June 8–12

Session 2: June 15–19

Session 3: June 22–26

Cost: \$225

Astronaut Training Camp

Astronauts in training will prepare for their space travels by building and inhabiting a lifesize lunar colony, designing and launching rockets, making robots, and taking part in simulated space missions.

Ages: 10–12

Dates: Session 1: July 6–10

Session 2: July 13–17

Cost: \$250

Advanced Astronaut Training Camp

Advanced astronauts will build and launch rockets, make their own robots, participate in space mission simulations, and conduct an underwater training mission using SCUBA gear just like NASA astronauts!

Age: Ages 11–13

Dates: Session 1: July 20–24

Session 2: July 27–31

Cost: \$285

Rocket Lab

Both experienced and novice rocketeers will build and launch several types of rockets and make their own electronic launch system and platform to reuse at home. All skill levels welcome.

Ages: 10 and up

Date: June 8–12

Cost: \$290

Drone Makers – NEW!

Campers will learn how to fly drones in simulation, test multiple drone styles, and then learn the soldering and circuitry needed to build their own unmanned aerial vehicle to take home and keep!

Ages: 12 and up

Date: July 13–17

Cost: \$375

Innovators' Workshop

Aspiring innovators will develop a unique project idea, and then bring it to life in Challenger's new maker space. Campers will learn to combine shop tools with high-tech gadgetry like Arduino microprocessors and laser cutters. No previous experience needed.

Ages: 12 and up

Date: July 20–24

Cost: \$375

Artemis Adventure Camp – NEW!

Named for Apollo's twin sister, NASA's Artemis mission is committed to sending the first woman to the moon. Girls in this camp will prepare for Artemis by working together to design space suits, test and prepare space food, code robots, and more!

Ages: 9–12

Date: July 27–31

Cost: \$250

AM extended care: 7:30am–9am, \$25/week

PM extended care: 3pm–5pm, \$50/week

Early Bird Registration ends March 13.

Challenger Learning Center-St. Louis partnership



Expand your curiosity.

**Connect with
your museum.**

**Become a Science Center
member today!**

**20% OFF all Summer Science Blast
Camps for Plus & MAX members
PLUS early registration.**

Members Enjoy Benefits with Every Visit

As a Saint Louis Science Center member, you'll have access to exclusive programs created for curious minds to explore topics in science and technology. You'll also be the first to see everything—including special invitations to preview films, exhibitions and events. You can visit again and again and enjoy free tickets, discounts and more.

Plus, your membership helps make our mission possible by supporting our continued development of innovative exhibits, educational programs and events that ignite and sustain a passion for science and technology throughout our community.

3 Easy ways to join.

Online

slsc.org/membership

Call

314.289.4491

In person

Oakland Building lobby



**SAINT LOUIS
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