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Great Lakes Science Center thanks its education supporters from fiscal year 2016.

STAY CURIOUS!

It's amazing to think that the next generation of doctors, engineers, researchers and astronauts will walk through the doors of Great Lakes Science Center this summer and be inspired by our camp program. Our staff creates an environment where larger-than-life creativity is celebrated and each camper is motivated to have fun with real challenges.

Science Center camp is also a place where everyone belongs. We encourage your children to make friendships that will last much longer than their week at camp. We do this while maintaining the highest standards for safety and program innovation as set forth by our American Camp Association accreditation.

Whether you are experiencing Summer Science Day Camp for the first time, or you're already part of the family, we think you will be excited about our 2017 line-up. It's going to be a blast!

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HEY KIDS!

Professor B. Curious here! Grab your favorite pen and mark off the summer camp classes you want to attend this year!





Summer Camps at Great Lakes Science Center SUMMER CAMP CALENDAR

\	JUNE 5-9	JUNE 12-16	JUNE 19-23	JUNE 26-30	JULY 3-7
Pre - K	ABCs of Science	Awesome Astronauts	Fun with Forces	Superhero Science	Shake, Rattle and Roll
K - 1	NEW! LEGO: Space Race	Chemical Concoctions	Jr. Engineer	Pirate Adventure	Space Explorer
K - 1	Mess it Up!				
2-3	NEW! LEGO: Movie Maker	NEW! Pokemon-a-Thon	May the Force be With You	Spy Science	LEGO: Machines and Mechanisms
2-3	Rockin' Rockets	Crazy Chemistry			
4-5	NEW! LEGO EV3: International Takedown	NEW! DIY: Music Tech	Dissection Discovery		Chemistry Cafe
4-5					
8-9	DIY: Video Game Tech	NEW! LEGO EV3: Living LEGOs		Dissection Discovery: Aquatic	NEW! DIY: Art Tech
8-9					
9-12					

Summer Camps at Great Lakes Science Center SUMMER CAMP CALENDAR

	JULY 10-14	JULY 17-21	JULY 24-28	JULY 31 - AUGUST 4	AUGUST 7-11
Pre - K	Little Scientist	Science Ahoy!	Seuss on the Loose	Shadows, Rainbows and Kaleidoscopes	Storybook Science
L - X	LEGO: Ultimate Builder	Imaginate	Science Sampler	Monster Maker	LEGO: Space Race
K - 1					Jedi Academy
2-3	Build it Up, Break It Down	Girls Only: Engineering Challenge	Rockin' Rockets	Crazy Chemistry	NEW! LEGO: Movie Maker
2-3		Maker Studio	NEW! Pokemon-a-Thon	Everyday Science	Physics of Fun
4-5	NEW! Girls Only: CEO in Training	Explore Cleveland	NEW! Minecraft Multiverse: Portal Pioneer	Life on Mars	NEW! DIY: Art Tech
4-5	DIY: Video Game Tech		Amusement Park Science	NEW! EV3 Advanced: Sensors	
8-9	Mission: ISS	Explore Cleveland	Amusement Park Science	Animation Station: Director's Cut	NEW! LEGO EV3: Living LEGOs
8-9		NEW! Girls Only: Welding Workshop	NEW! EV3 Advanced: Gears	NEW! Elements! My Dear Watson	Junkyard Wars
9-12	NEW! Pediatric Doctor				



Morning sessions run 8:30-11:30 a.m. · Afternoon sessions run 12:30-3:30 p.m.

Preschool introduces a brand new world of exploration, and our Pre-K camps make the transition fun and adventurous! We teach cooperative play, foster a sense of discovery, build a foundation in STEM and start campers on the path to school readiness, all in an engaging and interactive environment.

ABCs of Science



June 5-9

Explore science concepts and the alphabet! Each day has its own collections of letters, poems and related science activities. \$110 (\$90 members)

Awesome Astronauts



June 12-16

Prepare for a journey into space and experience our STARLAB Portable Planetarium. Look for pictures in the stars, explore the night sky and learn about the moon and planets. \$110 (\$90 members)

Fun with Forces



June 19-23

Why do mirrors reflect heat? Why do magnets stick to metal? Spend the week exploring the incredible and changing forces of heat, motion, energy and light through observation and experimentation. \$110 (\$90 members)

Superhero Science



June 26-30

Create your own super-identity and explore the incredible powers of people and animals! Learn how science and technology have given us the power of flight, use your own "super breath" to do amazing things and investigate the power of invisibility and X-ray vision! \$110 (\$90 members)



Shake, Rattle and Roll!



July 3-7, no camp on July 4

Experiment with rhythm, vibrations and tuning forks and learn how our ears work. Put yours to the test by making your own instruments! Explore music through song, dance and games designed for a little scientist! \$88 (\$72 members) Prices reflect a shortened week due to the holiday.

Little Scientist



July 10-14

Dive into the exciting world of science and spend the week making crazy concoctions, testing out moon shoes and exploring the physics of fun! A different scientific focus each day will transform campers into little scientists! \$110 (\$90 members)

Science Ahoy!



July 17-21

Avast, me hearties -- learning ahead! Join our motley crew of pirate scientists and discover what sinks and floats, create your own ships, design flags for your voyage and hunt for the ultimate treasure -- knowledge! \$110 (\$90 members)

Seuss on the Loose



July 24-28

Seuss is on the loose! Discover the science behind Dr. Seuss' wild contraptions and imaginative creatures. Each day will focus on a different book with related science experiments, crafts and games. \$110 (\$90 members)



Morning sessions run 8:30-11:30 a.m. · Afternoon sessions run 12:30-3:30 p.m.

Shadows, Rainbows and Kaleidoscopes July 31-August 4



Storybook Science



August 7-11

Let's read our way into some fun experiments! We start each day with a favorite children's book, followed by a series of related hands-on experiments for a well-blended experience in science and literacy. We'll get lost in some good books . . . and find our way back through science! \$110 (\$90 members)



Summer Camps at Great Lakes Science Center

GRADES K-1

All sessions run Monday through Friday, from 8:30 a.m. to 3:30 p.m. unless noted otherwise.

Our K-1 camps are perfect for easing the transition into the structure of a classroom in a fun, social and stimulating way. Campers will gain valuable social skills with emphasis on cooperative play, exploration and critical thinking -- all designed to get them excited and comfortable as they look forward to the new school year.



LEGO: Space Race



June 5-9 August 7-11

Countdown to impact! An asteroid is heading straight toward Earth and NASA has recruited a team of kids to protect the planet. Use LEGOs and your imagination to build simple machines to solve problems and protect the Earth. Can your creation withstand impact? \$250 (\$230 members)

Mess It Up!



June 5-9

This camp experience is the perfect fit for anyone who loves making a mess! Gain handson experience with solids, liquids and gases through gooey exploration and chemical reactions. It's a slimy, science-y good time! \$250 (\$230 members)



All sessions run Monday through Friday, from 8:30 a.m. to 3:30 p.m. unless noted otherwise.

Chemical Concoctions



June 12-16

Experiment with acids and bases, make slime and mix solutions that glow in the dark. Learn basic principles of chemistry while you mix, pour and stir concoctions that change before your eyes. Chemistry isn't just about beakers and laboratories -- it's all around us! \$250 (\$230 members)

Jr. Engineer June 19-23



What do engineers do? Investigate the structure of bridges and buildings, illuminate a light bulb, design an airplane, create your own city and more! Learn about structures by becoming one of the lucky few who have taken a behind the scenes tour of our newly renovated DOME Theater! \$250 (\$230 members)

Pirate Adventure



June 26-30

Ahoy, me first science officer! 'X' marks the spot to uncover how yer ship stay afloat, how yer gold stay a-shiny and how ye can navigate using only yer wits and yer knowledge of astronomy. Plunder the seas of science, scallywags, if ye dare! ARRRGH!
\$250 (\$230 members)

Space Explorer



July 3-7, no camp on July 4

Space Explorer camp is out of this world! Build and launch a rocket, train to become an astronaut, analyze Martian soil and experience the STARLAB Planetarium and the NASA Glenn Visitor Center. \$200 (\$184 members) Prices reflect a shortened week due to the holiday.

LEGO: Ultimate Builder



July 10-14

Join us for a full week of LEGO! Based on the LEGO Master Builder Academy, practice your speed and creative free-building skills while competing in a series of LEGO challenges. Focus on design and engineering as you build your way up to the highest honor of Ultimate Builder. \$250 (\$230 members)

Imaginate



July 17-21

There's a problem to solve -- and you only have teamwork, creativity and a mystery box of supplies to get it done! Start by investigating simple machines, then work with a team to solve a problem using your imagination and the mystery supplies. \$250 (\$230 members)

Science Sampler



July 24-28

Be a science explorer on a journey through the amazing world of animal adaptations. The adventure continues into the chemistry lab and other fascinating areas of science and fun. Build a crazy kaleidoscope and learn about cameras and light. Build arches, bridges, a geodesic dome and a catapult. \$250 (\$230 members)

Monster Maker



July 31-August 4

Spend the week imagining and engineering the perfect monster. Growl, stomp and claw to create your very own monster suit with simple motors and lights. Bring along your creativity and your ROAR! \$250 (\$230 members)

Jedi Academy (



August 7-11

The force you must use, become a Jedi you must! Enter the Order and fight for peace and justice in the galaxy. Learn about forces, light and the solar system. Prepare to become one with the force! \$250 (\$230 members)



GRADES 2-3

All sessions run Monday through Friday, from 8:30 a.m. to 3:30 p.m. unless noted otherwise.

Campers in grades 2-3 are all about one thing – hands-on exploration. Our camps are specifically designed to highlight exploration and foster creativity in a highly interactive and social environment. We focus on using the engineering design process to enhance our learning and build a base for successful scientific investigation.



LEGO: Movie Maker



June 5-9 August 7-11

Lights, camera, LEGO! Spend the week creating a stop-motion LEGO movie from scratch. Learn about story development, cinematography, special effects and editing while building the set, props and costumes from bricks! \$250 (\$230 members)

Rockin' Rockets



June 5-9 July 24-28

Let your imagination soar and build your own model rocket capable of flying more than 100 feet in the air! Learn about propulsion and experiment with a variety of different models and fuels while working to design and launch the perfect rocket. \$250 (\$230 members)

Crazy Chemistry



June 12-16

July 31-August 4

Become a chemist! Learn about the chemistry we encounter every day at home and at school. Experiment with chemical reactions and test different liquids. Create a chromatography T-shirt to take home. Make and eat exothermic ice cream! \$250 (\$230 members)



Pokémon-a-Thon



June 12-16

July 24-28

Join Ash and Pikachu on a weeklong adventure capturing and battling your very own Pokémon! Use engineering to throw the perfect Pokeball, discover elements while experimenting with Pikachu power and use geocaching to find and stock your Pokadex. Can you catch 'em all? \$250 (\$230 members)



May the Force be With You



June 19-23

The force is strong with you, young Padawan. The force of SCIENCE! Learn the science behind the epic story. Can a change in the force be sensed? Is it possible to make a light saber? Could the Death Star be blown-up with one shot? Experiment and explore during this epic week of camp. \$250 (\$230 members)

Spy Science



June 26-30

Investigate the science behind codes, invisible ink, surveillance techniques, undercover maneuvers and disguises. You'll feel like a master spy as you dust for fingerprints, crack a code, build an alarm system, search for clues and solve a scientific mystery! \$250 (\$230 members)

All sessions run Monday through Friday, from 8:30 a.m. to 3:30 p.m. unless noted otherwise.

LEGO: Machines and Mechanisms



Use gears, motors, potential energy and balance to design your own contraptions. Investigate how gears translate motion and how different types of energy propel machines. Build and explore machines and mechanisms, calibrate and capture wind, and study gearing mechanism - all using LEGO. \$200 (\$184 members) Prices reflect a shortened week due to the holiday.

Build it Up, Break it Down



Build a bridge and test it to see how much weight it can take before it collapses. Construct a skyscraper and put it to an earthquake test. Learn basic principles behind engineering and spend the week building, testing and breaking down your creation! \$250 (\$230 members)



Love inventing? Doodling in your notebooks? Taking apart your alarm clock? This camp is for the artists, the inventors and the curious. Take apart technology, make circuits and create what you see in your imagination! \$250 (\$230 members)

Girls Only: Engineering Challenge



Get a great hands-on experience in engineering and construction activities. Meet professional women with a wealth of cuttingedge engineering topics. Explore the fields of engineering, construction, robotics and chemical engineering, all through interactive experiments! \$250 (\$230 members)

Everyday Science



July 31-August 4

Calling all scientists: this session is one GIANT science experiment! Discover the fields of engineering, chemistry, physics, astronomy, biology and more. Perform a variety of our favorite experiments and learn about the different branches of science.

\$250 (\$230 members)

Physics of Fun



August 7-11

Spend a week tinkering with toys and increasing your "funderstanding" of physics. Defy gravity and build flying machines and parachutes; avoid breaking surface tension using bubble-ology; spark up energy with wind-up gadgets; design a marble coaster to investigate Newton's laws; and go topsy-turvy for centripetal force with spinning tops. \$250 (\$230 members)



HEY KIDS!

Professor B. Curious here! My favorite camp is LEGO EV3: Living LEGOs. What's yours?



All sessions run Monday through Friday, from 8:30 a.m. to 3:30 p.m. unless noted otherwise.

At the pre-teen age, science content becomes more focused, and at school, the structure of formal education sometimes does not permit individual students to explore their interests in a way that best suits their learning style. Our camps provide a suite of highly interactive and engaging sessions that are designed to help campers delve into topics of interest in an informal, hands-on environment.



LEGO EV3:

International Takedown



June 5-9

Explore the world and travel to the most popular destinations with robotics! Climb the Pyramids of Giza, wheel around Stonehenge and straighten out the Leaning Tower of Piza! By the end of the week, you'll be programming your 'bot like an international jet-setter! \$280 (\$260 members)



DIY: Music Tech



June 12-16

Turn up the tunes while you study how to make your own music – Science Camp style. Learn about acoustics, the science behind sound, and how it is processed by the ear. Make your own rhythm and beats with different types of technology, including makey-makeys, program your own music video and manipulate your beats using editing technology. \$280 (\$260 members)

Dissection Discovery



June 19-23

Calling all biologists! Explore the anatomy of fish, amphibians and mammals using the process of dissection. Learn how a heart beats, follow the path of a vein, and look inside a stomach while exploring careers in the medical field. Due to its graphic nature, this camp may not be suitable for everyone. \$285 (\$265 members)

Chemistry Cafe



July 3-7, no camp on July 4

Experiment with the kitchen chemistry that produces some of our favorite treats. Create edible, super-huge sugar crystals, get a rise out of yeast and perform "egg-citing egg-

speriments." Best of all, you get to eat your creations! \$224 (\$208 members) Prices reflect a shortened week due to the holiday.

DIY: Video Game Tech



July 10-14

Grab your controller and level up to learn the art of video game design. Learn the programming languages that create games, develop characters and edit rooms to take your players by surprise. Dominate the gaming world and take home valuable knowledge of the science behind your favorite X-Box One and PS4 games! \$280 (\$260 members)

NEW!

Girls Only: CEO in Training



July 10-14

Do you have an idea to make the world a better place? Bring it to the Science Center for an exciting week of innovation and prototyping. You'll create a business plan and be inspired by female entrepreneurs who call Cleveland home. Maybe you'll even pick up a few pointers as you train to be a CEO! \$280 (\$260 members)



All sessions run Monday through Friday, from 8:30 a.m. to 3:30 p.m. unless noted otherwise.

Explore Cleveland (1)



July 17-21

Science is all around us - explore the best that Cleveland has to offer! Learn about biomed technology while visiting medical facilities. Explore marine biology and water quality at the Greater Cleveland Aquarium. Learn about the latest in engineering while visiting local factories. Get the scoop on how to merge creativity with science at the Cleveland Museum of Art. \$295 (\$275 members)

Amusement Park Science



July 24-28

Experiment with physics, friction, inertia and momentum. Use your design and engineering skills to create miniature models of your favorite rides. Explore centripetal force and kinetic and potential energy while riding real amusement park rides and getting a behind the scenes tour of Cedar Point Amusement Park! \$295 (\$275 members)



Minecraft Multiverse: (🗸) **Portal Pioneer**



July 24-28

Grab your pickaxe and diamond sword and discover the different dimensions of the Minecraft universe. Using skill and strategy, create portals to travel and explore different worlds. Bring your design savvy to the real world and use our digital fabrication equipment to design and print your own weaponry for fighting guard dragons. \$280 (\$260 members)



EV3 Advanced: Sensors



July 31-August 4

Stretch your imagination and knowledge of LEGO EV3 engineering and see the world around you in a new way -- through the use of EV3 sensors. This camp focuses on programming four sensors -- color, touch, gyro and ultrasonic – to complete everyday errands in new ways to help mankind. Previous experience in robotics required for this camp. \$280 (\$260 members)



Life on Mars



July 31-August 4

NASA projects humans will be on Mars by 2030 -- are you ready for the future? Train to live and work on Mars and command your own simulated Martian missions! During the week you'll study propulsion techniques to get to Mars, build a coring 'bot to take a sample of the Martian soil, research the art of growing food with hydroponics and return to Earth safely by building a lunar lander. \$280 (\$260 members)



DIY: Art Tech August 7-11



workmanship. \$280 (\$230 members)

Meld color and engineering, creativity and technology in this new camp experience. Study and create amazing art that is laced with technology. Work with kinetic sculptures, 3-D printing technology, conductive thread and more while developing a flair for artful



All sessions run Monday through Friday, from 8:30 a.m. to 3:30 p.m. unless noted otherwise.

Research shows that when it comes to science and math, we tend to lose kids during their middle school years, either due to changing interests or limited school resources. Our 6-8 grade camps are designed with this in mind. We focus on real-world applications, careers and experiences in an effort to re-engage interest and ignite that scientific spark.

DIY: Video Game Tech



June 5-9

Grab your controller and level up to learn the art of video game design. Learn the programming languages that create games, develop characters and edit rooms to take your players by surprise. Dominate the gaming world and take home valuable knowledge of the science behind your favorite X-Box One and PS4 games! \$280 (\$260 members)



LEGO EV3: Living LEGOs



June 12-16 August 7-11

Travel back to 1450 AD and study the world of automatons with Leonardo Da Vinci. Be inspired by his blueprints and build your own army of living LEGOs using EV3 robotic technology. With your fellow campers, curate your own exhibit of robotic sculptures that will rival Da Vinci's workshop! \$280 (\$260 members)

Dissection Discovery: Aquatic



June 26-30

Explore. Discover. Dissect. Learn about anatomy UP CLOSE in an exciting and handson environment while dissecting a fish, starfish, squid and shark. Learn basic anatomy, draw with squid ink, and see how these creatures swim, eat and breathe. Due to its graphic nature, this camp may not be suitable for everyone. \$280 (\$260 members)



DIY: Art Tech



July 3-7, no camp on July 4

Meld color and engineering, creativity and technology in this new camp experience. Study and create amazing art that is laced with technology. Work with kinetic sculptures,



3-D printing technology, conductive thread and more while developing a flair for artful workmanship. \$224 (\$208 members) Prices reflect a shortened week due to the holiday.

NEW!

Mission: ISS

July 10-14



An adventure on the International Space Station is calling! Learn and experience how astronauts live, work and play on the ISS. Conduct microgravity research, print your own tools using 3-D printing technologies, and freeze dry your own meals. Using the Science Center's connection to NASA, you'll simulate a year-long mission in space. \$280 (\$260 members)

Explore Cleveland



July 17-21

Science is all around us - explore the best that Cleveland has to offer! Learn about biomed technology while visiting medical facilities. Explore marine biology and water quality at the Greater Cleveland Aquarium. Learn about the latest in engineering while visiting local factories. Get the scoop on how to merge creativity with science at the Cleveland Museum of Art. \$295 (\$275 members)

All sessions run Monday through Friday, from 8:30 a.m. to 3:30 p.m. unless noted otherwise.



Girls Only: Welding Workshop July 17-21



Spend a week of your summer mixing molecular structure to meld your own creations. Solder circuits, braze metal, and perfect striking your arch in an actual welding lab. Do you think you can handle the heat? \$295 (\$275 members)

Amusement Park Science



July 24-28

Experiment with physics, friction, inertia and momentum. Use your design and engineering skills to create miniature models of your favorite rides. Explore centripetal force and kinetic and potential energy while riding real amusement park rides and getting a behind the scenes tour of Cedar Point Amusement Park! \$295 (\$275 members)



EV3 Advanced: Gears July 24-28



Get your robotics skills in gear in this intense camp focused on the cause and effect of gears in simple machines. Learn about gear trains and calculate gear ratios for your robotic designs. Previous experience in robotics required for this camp. \$280 (\$260 members)

Animation Station: Director's Cut July 31-August 4



Focus on the art of storytelling in this handson animation camp. Use technology and explore many different types of animation and their principles. Create and produce your own animation to be screened by the end of the week. \$280 (\$260 members)

NEW!

Elements! My Dear Watson



July 31-August 4

Join Sherlock and Dr. Watson for a week of forensic chemistry. Learn about classic chemistry techniques that the famous detective might have used, and concoct and analyze your own mixtures using the periodic table of elements. Scotland Yard is calling! Will you accept the challenge? \$280 (\$260 members)

Junkyard Wars



August 7-11

Join a team and build the ultimate structures! Guided by experts, campers form teams to build the coolest machines, bridges, skyscrapers, outfits and inventions out of recycled goods. Perfect for those campers looking to expand their imaginations, build teamwork skills and develop new inventions. \$280 (\$260 members)



Register by March 8 for an early bird discount

GRADES 9-12

All sessions run Monday through Friday, from 8:30 a.m. to 3:30 p.m. unless noted otherwise.

The world is moving faster than ever and careers in science, technology, engineering and math are in demand. Our high school summer camp sessions are designed to keep pace with these changes and provide campers with hands-on, practical application and real-life career experience.



Pediatric Doctor



July 10-14

Do you dream about helping the next generation stay safe and healthy? Follow the physical and cognitive development of a child in this new camp experience. Partnering with local doctors and hospitals, campers will learn how medical professionals help children stay healthy, and safely help in emergency situations. \$280 (\$260 members)

SPECIAL EXHIBITION



FEBRUARY 4 - SEPTEMBER 4



Engineering fun, one brick at a time



presented by ArcelorMittal

Free with paid admission



Summer Camps at Laurel School SUMMER CAMP CALENDAR

	JUNE 12-16	JUNE 19-23	JUNE 26-30	JULY 3-7
K -A	NEW! LEGO: Space Race	Chemical Concoctions	Jr. Engineer	Space Explorer
2-3	Spy Science	NEW! Pokemon-a-Thon	Animal Adaptations	May the Force be With You
2-3	NEW! LEGO: Movie Maker	Maker Studio		
4-5	DIY: Music Tech	NEW! LEGO EV3: International Takedown	Dissection Discovery	Explore Cleveland
8-9	DIY: Art Tech	Dissection Discovery: Aquatic	DIY: Video Game Tech	NEW! LEGO EV3: Living LEGOs
	JULY 10-14	JULY 17-21	JULY 24-28	JULY 31 - AUGUST 4
K-1				
	10-14 LEGO: Ultimate	17-21	24-28	AUGUST 4
×	10-14 LEGO: Ultimate Builder	Science Sampler Build it Up, Break it	Jedi Academy LEGO: Machines	AUGUST 4 Pirate Adventure
2-3 K	10-14 LEGO: Ultimate Builder	Science Sampler Build it Up, Break it	Jedi Academy LEGO: Machines and Mechanisms Girls Only: Engineering	Pirate Adventure NEW! LEGO: Movie Maker

GRADES K-1

All sessions run Monday through Friday, from 8:30 a.m. to 3:30 p.m. unless noted otherwise.

NEW!

LEGO: Space Race



June 12-16

Countdown to impact! An asteroid is heading straight toward Earth and NASA has recruited a team of kids to protect the planet. Use LEGOs and your imagination to build simple machines to solve problems and protect the Earth. Can your creation withstand impact? \$250 (\$230 members)

Chemical Concoctions



June 19-23

Experiment with acids and bases, make slime and mix solutions that glow in the dark. Learn basic principles of chemistry while you mix, pour and stir concoctions that change before your eyes. Chemistry isn't just about beakers and laboratories -- it's all around us! \$250 (\$230 members)

Jr. Engineer



June 26-30

What do engineers do? Investigate the structure of bridges and buildings, illuminate a light bulb, design an airplane, create your own city and more! Learn about structures by becoming one of the lucky few who have taken a behind the scenes tour of our newly renovated DOME Theater! \$250 (\$230 members)

Space Explorer



July 3-7, no camp on July 4

Space Explorer camp is out of this world!
Build and launch a rocket, train to become an
astronaut, analyze Martian soil and experience
the STARLAB Planetarium and the NASA
Glenn Visitor Center. \$200 (\$184 members)
Prices reflect a shortened week due to the
holiday.

LEGO: Ultimate Builder



July 10-14

Join us for a full week of LEGO! Based on the LEGO Master Builder Academy, practice your speed and creative free-building skills while competing in a series of LEGO challenges. Focus on design and engineering as you build your way up to the highest honor of Ultimate Builder. \$250 (\$230 members)

Science Sampler



July 17-21

Be a science explorer on a journey through the amazing world of animal adaptations. The adventure continues into the chemistry lab and other fascinating areas of science and fun. Build a crazy kaleidoscope and learn about cameras and light. Build arches, bridges, a geodesic dome and a catapult. \$250 (\$230 members)

Jedi Academy



July 24-28

The force you must use, become a Jedi you must! Enter the Order and fight for peace and justice in the galaxy. Learn about forces, light and the solar system. Prepare to become one with the force! \$250 (\$230 members)

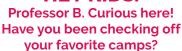
Pirate Adventure



July 31-August 4

Ahoy, me first science officer! 'X' marks the spot to uncover how yer ship stay afloat, how yer gold stay a-shiny and how ye can navigate using only yer wits and yer knowledge of astronomy. Plunder the seas of science, scallywags, if ye dare! ARRRRGH!
\$250 (\$230 members)

HEY KIDS!





GRADES 2-3

Summer Camps at Laurel School

All sessions run Monday through Friday, from 8:30 a.m. to 3:30 p.m. unless noted otherwise.

(NEW!)

LEGO: Movie Maker



June 12-16 July 31-August 4

Lights, camera, LEGO! Spend the week creating a stop-motion LEGO movie from scratch. Learn about story development, cinematography, special effects and editing while building the set, props and costumes from bricks! \$250 (\$230 members)

Spy Science

June 12-16



Investigate the science behind codes, invisible ink, surveillance techniques, undercover maneuvers and disguises. You'll feel like a master spy as you dust for fingerprints, crack a code, build an alarm system, search for clues and solve a scientific mystery! \$250 (\$230 members)



Pokémon-a-Thon



June 19-23

Join Ash and Pikachu on a weeklong adventure capturing and battling your very own Pokémon! Use engineering to throw the perfect Pokeball, discover elements while experimenting with Pikachu power and use geocaching to find and stock your Pokadex. Can you catch 'em all? \$250 (\$230 members)

Maker Studio



June 19-23

Love inventing? Doodling in your notebooks? Taking apart your alarm clock? This camp is for the artists, the inventors and the curious. Take apart technology, make circuits and create what you see in your imagination! \$250 (\$230 members)

Animal Adaptations



June 26-30

Survival in nature can be tough! Learn how animals have adapted to their surroundings and find out how creatures in our own back yard stay safe and protect their offspring. Help a beaver build a better dam and engineer a turtle shell. By the end of this camp, you'll look at animals differently! \$250 (\$230 members)



May the Force be With You



July 3-7, no camp on July 4

The force is strong with you, young Padawan. The force of SCIENCE! Learn the science behind the epic story. Can a change in the force be sensed? Is it possible to make a light saber? Could the Death Star be blown-up with one shot? Experiment and explore during this epic week of camp. \$200 (\$184 members) Prices reflect a shortened week due to the holiday.

Rockin' Rockets



July 10-14

Let your imagination soar and build your own model rocket capable of flying more than 100 feet in the air! Learn about propulsion and experiment with a variety of different models and fuels while working to design and launch the perfect rocket. \$250 (\$230 members)

Build it Up, Break it Down



July 17-21

Build a bridge and test it to see how much weight it can take before it collapses. Construct a skyscraper and put it to an earthquake test. Learn basic principles behind engineering and spend the week building, testing and breaking down your creation! \$250 (\$230 members)

GRADES 2-3

All sessions run Monday through Friday, from 8:30 a.m. to 3:30 p.m. unless noted otherwise.

Girls Only: Engineering Challenge July 24-28



Get a great hands-on experience in engineering and construction activities. Meet professional women with a wealth of cuttingedge engineering topics. Explore the fields of engineering, construction, robotics and chemical engineering, all through interactive experiments! \$250 (\$230 members)

LEGO: Machines and Mechanisms





Use gears, motors, potential energy and balance to design your own contraptions. Investigate how gears translate motion and how different types of energy propel machines. Build and explore machines and mechanisms, calibrate and capture wind, and study gearing mechanism - all using LEGO. \$250 (\$230 members)

Crazy Chemistry



July 31-August 4

Become a chemist! Learn about the chemistry we encounter every day at home and at school. Experiment with chemical reactions and test different liquids. Create a chromatography T-shirt to take home. Make and eat exothermic ice cream! \$250 (\$230 members)



GRADES 4-5 Summer Camps at Laurel School

All sessions run Monday through Friday, from 8:30 a.m. to 3:30 p.m. unless noted otherwise.

NEW!

DIY: Music Tech



June 12-16

July 24-28

Turn up the tunes while you study how to make your own music - Science Camp style. Learn about acoustics, the science behind sound, and how it is processed by the ear. Make your own rhythm and beats with different types of technology, including makey-makeys, program your own music video and manipulate your beats using editing technology. \$280 (\$260 members)



LEGO EV3:

International Takedown



June 19-23

Explore the world and travel to the most popular destinations with robotics! Climb the Pyramids of Giza, wheel around Stonehenge and straighten out the Leaning Tower of Piza! By the end of the week, you'll be programming your 'bot like an international jet-setter! \$280 (\$260 members)

Dissection Discovery



June 26-30

Calling all biologists! Explore the anatomy of fish, amphibians and mammals using the process of dissection. Learn how a heart beats, follow the path of a vein, and look inside a stomach while exploring careers in the medical field. Due to its graphic nature, this camp may not be suitable for everyone. \$285 (\$265 members)

All sessions run Monday through Friday, from 8:30 a.m. to 3:30 p.m. unless noted otherwise.

Explore Cleveland



Science is all around us - explore the best that Cleveland has to offer! Learn about biomed technology while visiting medical facilities. Explore marine biology and water quality at the Greater Cleveland Aquarium. Learn about the latest in engineering while visiting local factories. Get the scoop on how to merge creativity with science at the Cleveland Museum of Art. \$236 (\$220 members) Prices reflect a shortened week due to the holiday.

Life on Mars



July 10-14

NASA projects humans will be on Mars by 2030 -- are you ready for the future? Train to live and work on Mars and command your own simulated Martian missions! During the week you'll study propulsion techniques to get to Mars, build a coring 'bot to take a sample of the Martian soil, research the art of growing food with hydroponics and return to Earth safely by building a lunar lander. \$280 (\$260 members)



Minecraft Multiverse: **Portal Pioneer**



July 17-21

Grab your pickaxe and diamond sword and discover the different dimensions of the Minecraft universe. Using skill and strategy, create portals to travel and explore different worlds. Bring your design savvy to the real world and use our digital fabrication equipment to design and print your own weaponry for fighting guard dragons. \$280 (\$260 members)

Amusement Park Science



July 24-28

Experiment with physics, friction, inertia and momentum. Use your design and engineering skills to create miniature models of your favorite rides. Explore centripetal force and kinetic and potential energy while riding real amusement park rides and getting a behind

the scenes tour of Cedar Point Amusement Park! \$295 (\$275 members)

DIY: Video Game Tech



July 31-August 4

Grab your controller and level up to learn the art of video game design. Learn the programming languages that create games, develop characters and edit rooms to take your players by surprise. Dominate the gaming world and take home valuable knowledge of the science behind your favorite X-Box One and PS4 games! \$280 (\$260 members)





All sessions run Monday through Friday, from 8:30 a.m. to 3:30 p.m. unless noted otherwise.



DIY: Art Tech

June 12-16



Meld color and engineering, creativity and technology in this new camp experience. Study and create amazing art that is laced with technology. Work with kinetic sculptures, 3-D printing technology, conductive thread and more while developing a flair for artful workmanship. \$280 (\$260 members).

Dissection Discovery: Aquatic



June 19-23

Explore. Discover. Dissect. Learn about anatomy UP CLOSE in an exciting and handson environment while dissecting a fish, starfish, squid and shark. Learn basic anatomy, draw with squid ink, and see how these creatures swim, eat and breathe. Due to its graphic nature, this camp may not be suitable for everyone. \$280 (\$260 members)

DIY: Video Game Tech



June 26-30

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LEGO EV3: Living LEGOs



July 3-7, no camp on July 4
Travel back to 1450 AD and study the world of automatons with Leonardo Da Vinci. Be inspired by his blueprints and build your own army of living LEGOs using EV3 robotic technology. With your fellow campers, curate your own exhibit of robotic sculptures that will rival Da Vinci's workshop!

\$224 (\$208 members) Prices reflect a shortened week due to the holiday.



Mission: ISS

July 10-14



An adventure on the International Space Station is calling! Learn and experience how astronauts live, work and play on the ISS. Conduct microgravity research, print your own tools using 3-D printing technologies, and freeze dry your own meals. Using the Science Center's connection to NASA, you'll simulate a year-long mission in space.

\$280 (\$260 members)



Girls Only: Welding Workshop



July 17-21

Spend a week of your summer mixing molecular structure to meld your own creations. Solder circuits, braze metal, and perfect striking your arch in an actual welding lab. Do you think you can handle the heat? \$295 (\$275 members)

Animation Station: Director's Cut



July 24-28

Focus on the art of storytelling in this handson animation camp. Use technology and explore many different types of animation and their principles. Create and produce your own animation to be screened by the end of the week. \$280 (\$260 members)

Junkyard Wars



July 31-Aug 4

Join a team and build the ultimate structures! Guided by experts, campers form teams to build the coolest machines, bridges, skyscrapers, outfits and inventions out of recycled goods. Perfect for those campers looking to expand their imaginations, build teamwork skills and develop new inventions. \$280 (\$260 members)

Register by March 8 for an early bird discount

Summer Camps at Westlake School SUMMER CAMP CALENDAR

	JUNE 19-23	JUNE 26-30	JULY 3-7	JULY 10-14	JULY 17-21	JULY 24-28
K - 1	LEGO: Space Race	Jr. Engineer	Jedi Academy	Monster Maker	Space Explorer	LEGO: Ultimate Builder
2-3	Rockin' Rockets	NEW! LEGO: Movie Maker	Girls Only: Engineering Challenge	May the Force be With You	Pokemon-a- Thon	LEGO: Machines and Mechanisms
4-5	DIY: Music Tech	NEW! LEGO EV3: International Takedown	Minecraft Multiverse: Portal Pioneer	Life on Mars	DIY: Video Game Tech	Amusement Park Science
8-9	LEGO EV3: Living LEGOs	DIY: Video Game Tech	NEW! Girls Only: Welding Workshop	Dissection Discovery: Aquatic	Mission: ISS	Animation Station: Director's Cut

Summer Camps at Westlake School

GRADES K-1

All sessions run Monday through Friday, from 8:30 a.m. to 3:30 p.m. unless noted otherwise.



LEGO: Space Race



June 19-23

Countdown to impact! An asteroid is heading straight toward Earth and NASA has recruited a team of kids to protect the planet. Use LEGOs and your imagination to build simple machines to solve problems and protect the Earth. Can your creation withstand impact? \$250 (\$230 members)

Jr. Engineer



June 26-30

What do engineers do? Investigate the structure of bridges and buildings, illuminate a light bulb, design an airplane, create your own city and more! Learn about structures by becoming one of the lucky few who have taken a behind the scenes tour of our newly renovated DOME Theater! \$250 (\$230 members)

Jedi Academv



July 3-7, no camp on July 4

The force you must use, become a Jedi you must! Enter the Order and fight for peace and justice in the galaxy. Learn about forces, light and the solar system. Prepare to become one with the force! \$200 (\$184 members) Prices reflect a shortened week due to the holiday.

Monster Maker



July 10-14

Spend the week imagining and engineering the perfect monster. Growl, stomp and claw to create your very own monster suit with simple motors and lights. Bring along your creativity and your ROAR! \$250 (\$230 members)

Summer Camps at Westlake School

GRADES K-1

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Space Explorer July 17-21



Space Explorer camp is out of this world! Build and launch a rocket, train to become an astronaut, analyze Martian soil and experience the STARLAB Planetarium and the NASA Glenn Visitor Center, \$250 (\$230 members)

LEGO: Ultimate Builder



July 24-28

Join us for a full week of LEGO! Based on the LEGO Master Builder Academy, practice your speed and creative free-building skills while competing in a series of LEGO challenges. Focus on design and engineering as you build your way up to the highest honor of Ultimate Builder. \$250 (\$230 members)

Summer Camps at Westlake School



All sessions run Monday through Friday, from 8:30 a.m. to 3:30 p.m. unless noted otherwise.

Rockin' Rockets



June 19-23

Let your imagination soar and build your own model rocket capable of flying more than 100 feet in the air! Learn about propulsion and experiment with a variety of different models and fuels while working to design and launch the perfect rocket. \$250 (\$230 members)



LEGO: Movie Maker



June 26-30

Lights, camera, LEGO! Spend the week creating a stop-motion LEGO movie from scratch. Learn about story development, cinematography, special effects and editing while building the set, props and costumes from bricks! \$250 (\$230 members)





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May the Force be With You



July 10-14

The force is strong with you, young Padawan. The force of SCIENCE! Learn the science behind the epic story. Can a change in the force be sensed? Is it possible to make a light saber? Could the Death Star be blown-up with one shot? Experiment and explore during this epic week of camp. \$250 (\$230 members)

(NEW!)

Pokémon-a-Thon



July 17-21

Join Ash and Pikachu on a weeklong adventure capturing and battling your very own Pokémon! Use engineering to throw the perfect Pokeball, discover elements while experimenting with Pikachu power and use geocaching to find and stock your Pokadex. Can you catch 'em all? \$250 (\$230 members)

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HEY KIDS!

Professor B. Curious here! True to my name, I'm curious about so many of these camp options! Which one should I choose?





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July 24 - 28

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REGISTER TODAY!

How to register for camps and programs at the Science Center:

- 1. Online at GreatScience.com Please register each child separately.
- 2. By phone at 216-621-2400 Call us Monday through Friday from 9 a.m. to 5:30 p.m.

Payment Plans (NEW!)



Payment plans are available for camp registrations made on or before May 1, 2017. \$75 is due at registration and \$100 will be automatically charged to your credit card every 30 days until full payment is received. Payments are non-refundable and no refunds will be given in the event payment is not made in full. Full payment is due before the first day of camp and campers cannot attend any camp session without full payment.

Refund Policy

Cancellations must be made 14 days before the registered program date to receive a refund. No refunds will be given within 14 days of the program date. A 25 percent administration fee will be withheld for cancellations made 14 days or more before the program date.

Cancellation Policy

Great Lakes Science Center reserves the right to cancel any program up to two weeks before it starts and will provide a full refund in the case of insufficient enrollment.

Experienced Teachers

Camp instructors are science professionals and teachers, along with college students with documented experience working with children. All summer camp staff members are CPR. AFD and first aid certified and have passed criminal background checks.

Interested in Volunteering at Camp?

Do you want to have an exciting summer filled with challenges and fun? Why not join our volunteer program? Teen volunteers are an integral part of the success of our camps. Contact volunteer@glsc.org for more information.

Discounts

Early Bird Discounts: Register for camp by March 8 and receive a \$20 discount per camp session. Additional Week Discount: At registration, sign up for more than one week of camp and receive a \$10 discount off each additional week. Sibling Discount: Sign up one child and each additional sibling receives a \$5 discount for that week as well.

Scholarships

We are proud to offer need-based scholarships for camp attendees with a household income below 200 percent of the Federal Poverty Level. For details. see the scholarship application online at GreatScience.com, write us at scholarships@glsc.org or call 216-621-2400.



CAMP LOCATIONS

Great Lakes Science Center

601 Erieside Ave. Cleveland, OH 44114

Laurel School

One Lyman Circle Shaker Heights, OH 44122

Westlake

Lee Burneson Middle School 2260 Dover Center Road Westlake, OH 44145

WHAT TO KNOW ABOUT PRE-K CAMPS

Great Lakes Science Center:

- Pre-K camps run 8:30-11:30 a.m. and 12:30-3:30 p.m.
- Children ages 3-5 (not enrolled in kindergarten) may attend.
- Children MUST be potty-trained in order to attend.
- Camp themes allow students to be inside and outside during the day. Please come dressed for the weather. This includes pre-applying sunscreen before the camp day starts.
- · Campers must bring a snack each day of camp.
- All sessions include exploration of Science Center exhibits and offerings.
- A more detailed e-mail about camp specifics will be sent after registration.

WHAT TO KNOW ABOUT K-12 CAMPS

Great Lakes Science Center:

- Camps run 8:30 a.m. to 3:30 p.m.
- Before-care is offered 7:30-8:30 a.m. for an additional \$25 per week.
- After-care is offered 3:30-5:30 p.m. for an additional \$50 per week.
- Campers may bring a brown bag lunch or pre-order a boxed lunch for \$6 per day. Lunch menu is available upon request.
- All sessions include exploration of the Science Center exhibits and a movie in the Cleveland Clinic DOME Theater.
- · A more detailed e-mail about camp specifics will be sent after registration.

Laurel School:

- · Campers may bring a brown bag lunch or pre-order a buffet lunch for \$50 a week.
- Before- and after-care option is available through Laurel School and can be registered for when signing up for camps.
- All sessions include a field trip to Great Lakes Science Center and admission to a movie in the Cleveland Clinic DOMF Theater.

Westlake School:

- · Campers must bring a brown bag lunch, water bottle and snack each day of camp.
- Before- and after-care option is offered through the Westlake City School District and can be registered for when signing up for camps.
- All sessions include a field trip to Great Lakes Science Center and admission to a movie in the Cleveland Clinic DOMF Theater.

Non-Profit Organization U.S. Postage PAID Cleveland, OH Permit No. 2260

GREAT LAKES
Science Center

Stay Curious.

Great Lakes Museum of Science, Environment and Technology 601 Erieside Avenue $\,\cdot\,$ Cleveland, OH 44114

SUMMER DAY CAMPS

REGISTER TODAY!

GreatScience.com

