

SIGN UP TODAY!

Winter and Spring 2012

Great Lakes Science Center

Camps and Classes

Discover the Scientist in You!



Look Inside!

- Spring Break Camps
- Sleepovers
- Scout Workshops
- New Classes and Workshops

REGISTER ONLINE!
GreatScience.com

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We've Got More Offerings than Ever Before!

What You'll Find Inside!

Discover the Scientist in You!

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To *know* science, you need to *do* science. And the **best place to do science is at Great Lakes Science Center!**

Get your hands messy with kitchen chemistry experiments, analyze fingerprints to solve a "crime," build a robot, earn a Scout badge, spend the night among your favorite exhibits or train to become an astronaut. This season, we have **more than 35 camps and classes to choose from**, including our first-ever sleepover just for homeschoolers!

Flip through this guide to check out all of our offerings. We hope to **see you at the Science Center very soon!**

How to Register

Please follow the registration instructions **listed with each program** in this booklet.

Registration fee

A \$2 registration fee will be added to each camp session.

Refund policy

A cancellation must be made 14 days before the registered camp date to receive a refund. A \$10 administration fee will be withheld. No refunds will be given within 14 days of camp.

Cancellation policy

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



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Spring Break Camp Schedule

Looking for something fun to do while school is out? Our popular day camps educate and entertain kids of all ages during Spring Break!

Week I	March 26	March 27	March 28	March 29	March 30
	Launch It	BIG BANG!	LEGO: Ultimate Builder	Ecology in a Bottle	Candyology
Week II	April 9	April 10	April 11	April 12	April 13
	Launch It	BIG BANG!	LEGO: Ultimate Builder	Ecology in a Bottle	Candyology

Students in grades K – 8 may attend. Camps will be divided by grade and camp content will be tailored to suit the campers' grade levels.

How to Register

- 1. Online – GreatScience.com**
Click on "Spring Break Camps 2012."
Full payment is due at time of registration.
- 2. Phone – 216-621-2400**
Monday – Friday, 9 am – 5:30 pm



“Great Lakes Science Center camps are by far the best investment we’ve made for our children’s future – lifelong memories, friendships and personal growth experiences.”

– 2011 Camper Parent

About the Camps

Launch It

Stomp, blow, fizz and explode your own rockets, airplanes and catapults into space! Design, construct and test a variety of objects as you propel them higher and farther than you ever imagined while learning about Sir Isaac Newton and his three Laws of Motion. Enjoy the OMNIMAX movie, *Destiny in Space*, and end the day with an exciting indoor rocket launch during our Big Science Show!

BIG BANG!

Become a super-star as we cruise through an asteroid belt, discover black holes, eat astronaut ice cream and embark on a mission to outer space. Explore the night sky up close in the STARLAB planetarium and be transported into the Milky Way as you lose yourself in the OMNIMAX movie, *Hubble*.

LEGO: Ultimate Builder

Join us for a full day of LEGO! Campers in grades K – 3 will practice their speed building, try creative free building and compete in a series of LEGO challenges. Campers in grades 4 – 8 will design, program and build a working robot while learning how sensors make a robot react to its surroundings using the latest in LEGO NXT technology. Enjoy the OMNIMAX movie, *Ultimate Wave Tabiti*.



Ecology in a Bottle

Get ready to become one with the wild! Explore ecological principles in a small-scale world by creating an ecosystem that you can take home with you! Come face-to-face with a slithering snake, hissing cockroach and hairy tarantula! Find out how they interact with the environment and learn to identify those mysterious animals that share our world through tracks, sounds and even scat! Enjoy the OMNIMAX movie, *Born to Be Wild*.

Candyology

Explore the fascinating world of sweet treats! It's food, it's fun, it's SCIENCE! In this chemistry-focused session, make liquid nitrogen ice cream, and discover how much energy is stored in a gummy bear through an explosive demonstration! Have fun creating tasty experiments, transforming matter from one state to another, creating chemical interactions and exploring the pH of various solutions. The result? Tasty science experiments that are DELICIOUS! Enjoy the OMNIMAX movie, *Dolphins*.

Camp Details:

- \$42 per day (\$39 members).
- **Additional Day Discount:** At registration, sign up for more than one camp day and receive a \$3 per day discount for each additional day.
- **Sibling Discount:** Sign up one child and each additional sibling receives a \$3 discount per day. Siblings must sign up for the same day of camp.
- Camps meet from 8:30 am to 3:30 pm.
- Extended care is available from 7:30 am to 5:30 pm.
 - Before care: \$5
 - After care: \$10
- Campers may bring a brown bag lunch or purchase lunch for \$6.

Spend the Night at the Science Center!

Have you ever wanted to spend the night in a museum? Here's your chance! All sleepovers are \$39 per person and include a late-night snack, breakfast, parking and free general admission to the Science Center the next day. **Don't forget your sleeping bag!**

Science Adventure

**Friday, January 27
6 pm**

Calling all scientists! This overnight adventure is one giant science experiment! Enjoy a large-scale Big Science Show and perform hands-on experiments while exploring different branches of science. Finish the night by taking a journey under the sea in the OMNIMAX movie, *Coral Reef*.

Reach for the Stars

**Friday, February 10
6 pm**

Learn about stars, meteors, comets, black holes and more! Build and launch a rocket, view a real moon rock, train to become an astronaut, sample soil from Mars and experience the STARLAB Planetarium. Explore space while watching the OMNIMAX movie, *Hubble*.

Special Late Night Event

Goose Bumps!

**Saturday, March 10
6 - 11:30 pm**

Join us for a night full of "fear!" Take part in fear challenges, test your toughness against the Tesla Coil, get up close and personal with creepy crawly critters and things that go bump in the night. Keep a steady hand during a real brain dissection and learn about beasts in the OMNIMAX movie, *Dinosaurs Alive*. \$24. Please note this is not a sleepover.

NEW Just for Homeschoolers:

Under the Sea

**Friday, February 17
6 pm**

Splash, splash, drip! Discover the amazing chemical and physical properties of water. Take an incredible journey through the water cycle and get ready to compete in the H2Olympics. Conduct dry ice experiments and make liquid nitrogen ice cream! View the OMNIMAX movie, *Under the Sea*.

CSI Sleepover

**Friday, May 11
6 pm**

Someone, or someTHING, has been disturbing the Science Center's efforts to study a rare space rock! Crack a code and uncover the secrets to solve the case! Explore the museum in this wild and wacky hunt for adults and kids to do together. Analyze fingerprints and handwriting, measure blood splatter and bullet trajectories and perform DNA experiments to catch the culprit. Enjoy the OMNIMAX movie, *Amazon*.

Register for these events at

216-621-2400

Monday - Friday, 9 am - 5:30 pm

Please note: All youth 18 and under must be accompanied by an adult for these events.

Boy Scout Sleepovers

Robotics - two dates offered!

Saturday, February 25 • 6 pm

Friday, April 6 • 6 pm

Using the latest in LEGO NXT technology, spend the evening designing, building, programming and challenging other robots in a series of mini-competitions that will test your speed, accuracy and ability. Learn advanced programming skills and come to win! Enjoy the OMNIMAX movie, *Fighter Pilot: Operation Red Flag*, and explore the museum after dark!

Crime Scene Investigator

**Saturday, March 24
6 pm**

More than a popular TV series, crime scene investigators use many aspects of science to crack important cases. Scouts will learn how to gather clues using real fingerprinting, fiber analysis and shoe prints. Once you master the steps, you get to solve your own "crime!" Open to Scouts of all ages.

Reach for the Stars

**Friday, May 4
6 pm**

Learn about stars, meteors, comets, black holes and more! Build and launch a rocket, view a real moon rock, train to become an astronaut, sample soil from Mars and experience the STARLAB Planetarium. Explore space while watching the OMNIMAX movie, *Hubble*.

Girl Scout Sleepovers

Reach for the Stars

- two dates offered!

Friday, March 2 • 6 pm

Friday, March 16 • 6 pm

Learn about stars, meteors, comets, black holes and more! Build and launch a rocket, view a real moon rock, train to become an astronaut, sample soil from Mars and experience the STARLAB Planetarium. Explore space while watching the OMNIMAX movie, *Hubble*.

Register for these events at

216-621-2400

Monday - Friday, 9 am - 5:30 pm

Please note: All youth 18 and under must be accompanied by a Scout Leader or adult for these events.



Just for Boy Scouts!

Just for Girl Scouts!

Cub Scouts Badge Workshop: Scientist / Science

Saturday, February 11

Session I (Badge): 10 am – noon

Session II (Belt Loop / Pin): 1 – 3 pm

Learn about the Bernoulli's Principle and Pascal's Law, explore water and air pressure, experience the difference between chemical reactions and physical changes, launch a rocket and more! \$15.

Robotics Sleepover – two dates offered!

Saturday, February 25 • 6 pm

Friday, April 6 • 6 pm

Using the latest in LEGO NXT technology, spend the evening designing, building, programming and challenging other robots in a series of mini-competitions that will test your speed, accuracy and ability. Learn advanced programming skills and come to win! Enjoy the OMNIMAX movie, *Fighter Pilot: Operation Red Flag*, and explore the museum after dark! \$39.

Each workshop is tailored to help Scouts complete all or most of the required activities for a badge and includes admission to Great Lakes Science Center and NASA Glenn Visitor Center.

Custom and private workshops are available!



Boy Scouts Badge Workshop: Robotics

Sunday, March 11

10 am – 3 pm

Complete the brand new "Robotics Merit" badge while using the latest LEGO NXT technology. Use sensors and motors to design, build, program and test a robot to navigate an obstacle course or crush your opponent in battle! \$15.

CSI Sleepover

Saturday, March 24

6 pm

More than a popular TV series, crime scene investigators use many aspects of science to crack important cases. Scouts will learn how to gather clues using real fingerprinting, fiber analysis and shoe prints. Once you master the steps, you get to solve your own "crime!" Open to Scouts of all ages. \$39.

Reach for the Stars Sleepover

Friday, May 4

6 pm

Learn about stars, meteors, comets, black holes and more! Build and launch a rocket, view a real moon rock, train to become an astronaut, sample soil from Mars and experience the STARLAB Planetarium. Explore space while watching the OMNIMAX movie, *Hubble*. \$39.

Register for these Boy Scout events at

216-621-2400

Monday – Friday, 9 am – 5:30 pm

Please note: All youth 18 and under must be accompanied by a Scout Leader or adult for these events.

Badge Workshop: Home Scientist – two dates offered!

Saturday, February 18 • 10 am – noon

Saturday, March 17 • 10 am – noon

Complete the brand new "Home Scientist" badge! Learn to be a kitchen scientist, create static electricity, dive into density, create bubbles from dry ice and experiment with all things science! \$15.

Late Night Event: Crime Scene Investigator – two dates offered!

Saturday, February 18 • 6 – 11:30 pm

Friday, April 13 • 6 – 11:30 pm

More than a popular TV series, crime scene investigators use many aspects of science to crack important cases. Scouts will learn how to gather clues using real fingerprinting, fiber analysis and shoe prints. Once you master the steps, you get to solve your own "crime!" Open to Scouts of all ages. Fulfills requirements for the brand new Cadette "Special Agent" badge. \$24.

Each workshop is tailored to help Scouts complete all or most of the required activities for a badge and includes admission to Great Lakes Science Center and NASA Glenn Visitor Center.

Custom and private workshops are available!

Reach for the Stars Sleepover – two dates offered!

Friday, March 2 • 6 pm

Friday, March 16 • 6 pm

Learn about stars, meteors, comets, black holes and more! Build and launch a rocket, view a real moon rock, train to become an astronaut, sample soil from Mars and experience the STARLAB Planetarium. Explore space while watching the OMNIMAX movie, *Hubble*. \$39.

Badge Workshop

Saturday, March 17

1 – 3 pm

Complete the brand new "Inventor" badge! Ever wonder what it takes to come up with a new kind of phone or a new way to power a light bulb? Warm up your inventor's mind and discover new ways to solve the same problem. Develop a needs list, solve a problem and share your invention with the group! \$15.

Register for these Girl Scout events at

216-621-2400

Monday – Friday, 9 am – 5:30 pm

Please note: All youth 18 and under must be accompanied by a Scout Leader or adult for these events.



Fun for the Entire Family!

NEW Family Science: Crazy Kitchen Chemistry

Saturday, February 11 • 2 – 3:30 pm

Safety glasses will be a standard kitchen tool after we show you what experiments hide in your kitchen cabinets! From new ways to play with the classic vinegar and baking soda experiment to color-changing liquids, we'll get crazy with kitchen chemistry. Trained staff will be on hand so parents can help younger children. Ages 6+ with an adult. \$16 (\$5 member) with the purchase of Science Center general admission. Register online at GreatScience.com or call 216-621-2400.

NEW Family Science: Magnets in Motion

**Saturday, March 10
2 – 3:30 pm**

Explore the properties of magnetism and its relationship to electricity through this hands-on workshop as we explore how to map a magnetic field, build a compass and make a simple-working motor. Trained staff will be on hand to demonstrate so parents can help younger children. Ages 6+ with an adult. \$16 (\$5 member) with the purchase of Science Center general admission. Register online at GreatScience.com or call 216-621-2400.

NEW Family Science: Where No Visitor Has Gone Before...

Saturday, April 21 • 10 – 11:30 am

Join us where no visitor has gone before and see the ins and outs of our amazing six-story OMNIMAX Theater! Get a behind-the-scenes tour of the theater, projector, console and more. This event concludes with an OMNIMAX movie. \$16 (\$5 member). Includes admission to Great Lakes Science Center and NASA Glenn Visitor Center. All youth 18 and under must be accompanied by an adult. Register online at GreatScience.com or call 216-621-2400.

NEW Family Science: Wicked Weather

**Saturday, May 12
2 – 3:30 pm**

Explore ways water and air come together to make weather! Create your own weather phenomena through hands-on experiments and sample liquid nitrogen ice cream. Ages 6+ with an adult. \$16 (\$5 member) with the purchase of general admission. Register online at GreatScience.com or call 216-621-2400.

Kid-Only Events!

NEW Parents' Night Out: Science of the Heart

**Saturday, February 11
5:30 – 9 pm**

Drop off your child for an evening of exploration while you have a romantic Valentine's Day dinner! Kids will enjoy dinner, a science workshop, the OMNIMAX film, *The Living Sea*, and more! Ages 6 – 12. \$25. (Stay until 10 pm for \$10 more!) Register online at GreatScience.com or call 216-621-2400.

NEW Parents' Night Out: Tax Season

**Saturday, April 14
5:30 – 9 pm**

Drop off your child for an evening of exploration while you finish your taxes! Kids will enjoy an "Animal Patrol" evening featuring live snakes, cockroaches and tarantulas! The event includes dinner, the OMNIMAX film, *Amazon*, and an owl pellet dissection workshop. Ages 6 – 12. \$25. (Stay until 10 pm for \$10 more!) Register online at GreatScience.com or call 216-621-2400.

One-Day Camps, LEGO Workshops, Girls Go! Science and more!

Presidents Day Camp: Return to Space

**Monday, February 20
8:30 am – 3:30 pm**

Celebrate the 50th anniversary of John Glenn's "Friendship 7" flight! Learn about stars, meteors, comets, black holes and more. Build and launch a rocket, view a real moon rock, train to become an astronaut, sample soil from Mars and experience the STARLAB Planetarium. Watch the OMNIMAX movie, *Hubble*. \$42 (\$39 members). Extended care and lunch available for an extra fee. Register online at GreatScience.com or call 216-621-2400.

LEGO Workshop: Mayan Adventure – 2 sessions!

**Saturday, March 3
9 am – noon (morning session)
1 – 4 pm (afternoon session)**

Archeologists just discovered the tomb of an ancient Mayan King that is designed to keep out unwanted visitors! Navigate the terrain by building and programming robots to look for treasures in the booby-trapped tomb. \$20 (\$15 members) per session. Includes admission to Great Lakes Science Center and NASA Glenn Visitor Center. Grades 4 – 8. Register online at GreatScience.com or call 216-621-2400.

NEW Preschool Workshop: A Wee Leprechaun St. Patrick's Day

Saturday, March 17 • 10 – 11:30 am

Grab your pot of gold! You and your preschooler (3 – 5 years old) will learn the science behind rainbows, turn things green though the "magic" of chemistry and make a take-home activity! \$20 per parent / child unit with the purchase of Science Center general admission. Register by calling 216-621-2400.

NEW Preschool Workshop: Egggastic Easter!

**Sunday, April 1
10 – 11:30 am**

Discover the secrets of dyes as parents and their children (ages 3 – 5) decorate eggs and do experiments using Peeps! \$20 per parent /child unit with the purchase of Science Center general admission. Register by calling 216-621-2400.

LEGO Workshop: Bug Bots – 2 sessions!

**Saturday, April 14
9 am – 2 pm (morning session)
1 pm – 4 pm (afternoon session)**

Design, build and program a variety of different robotic bugs to compete in a series of challenges. Can your honeybee locate food by using a light and touch sensor? Is your spider able to hold a pencil and draw a web (that you design) on paper? Can you get your robotic grasshopper to flap its wings and hop? It's a fun-filled day of robots and bugs! \$20 (\$15 members) per session. Grades 4 – 8. Register online at GreatScience.com or call 216-621-2400.

NEW Girls Go! Science

**Saturday, February 25
9 am – 3 pm**

Science is a girl thing! Join us for a day-long workshop of hands-on sessions led by women working in science, technology, engineering and mathematics. Explore different careers, meet female student-scientists from local universities and engage in fun learning and group projects. Open to girls in grades 6 – 12. \$32 (\$27 members). Register by calling 216-621-2400.

