

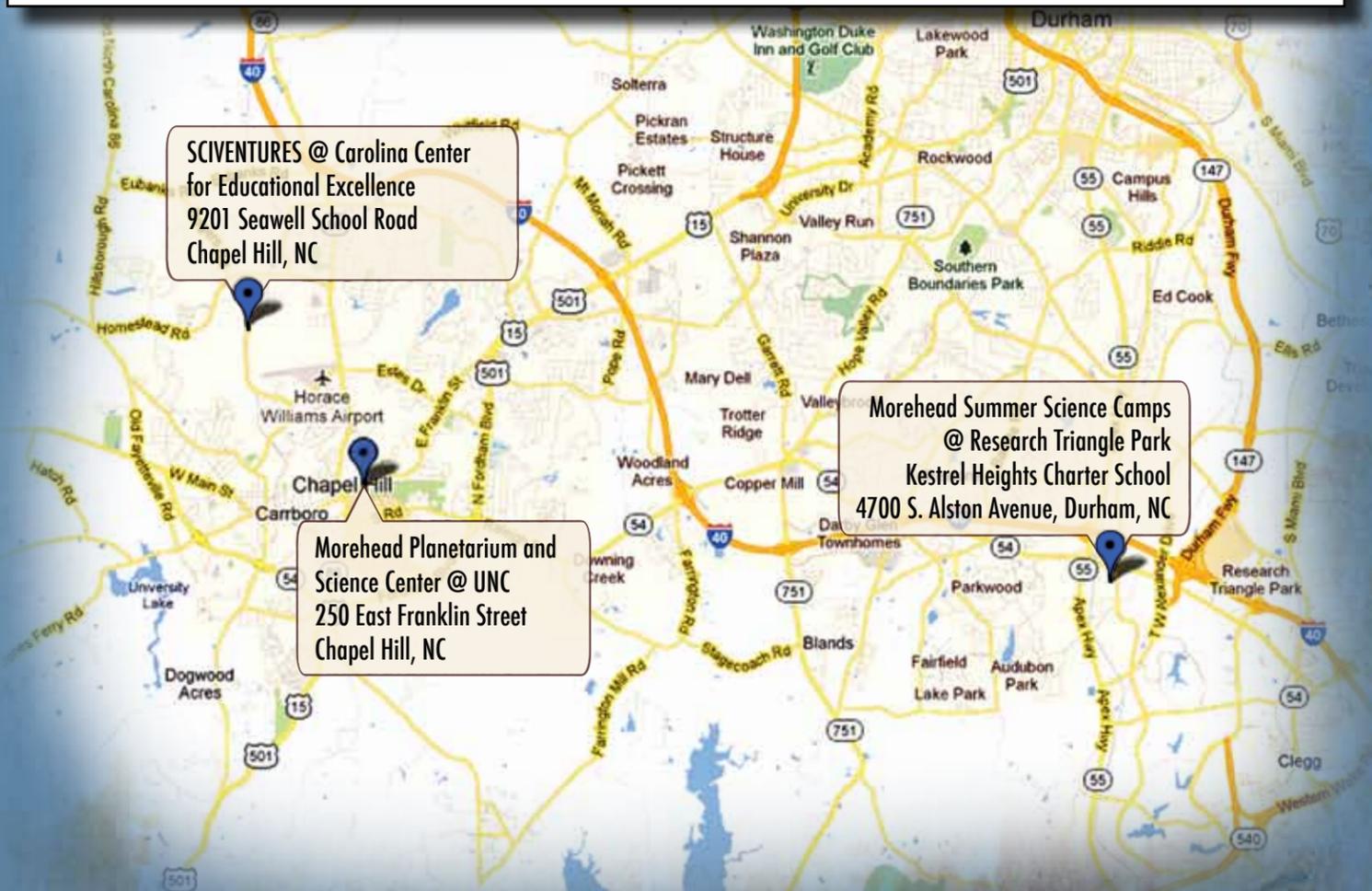


UNC
 MOREHEAD PLANETARIUM
 AND SCIENCE CENTER

The University of North Carolina at Chapel Hill
 Campus Box 3480
 Chapel Hill, NC 27599

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The AMAZING WORLD OF SCIENCE!

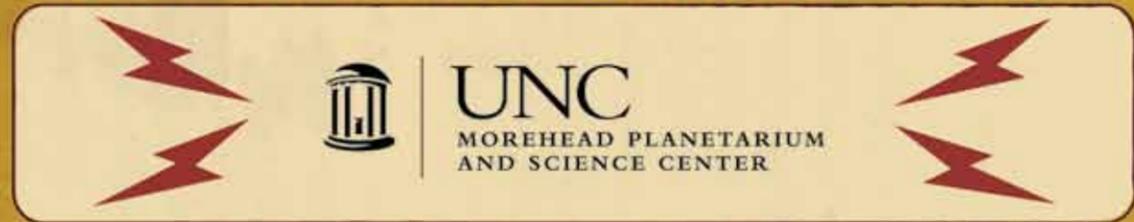


**SCIVENTURES @ Carolina Center
 for Educational Excellence**
 9201 Seawell School Road
 Chapel Hill, NC

**Morehead Planetarium and
 Science Center @ UNC**
 250 East Franklin Street
 Chapel Hill, NC

**Morehead Summer Science Camps
 @ Research Triangle Park**
 Kestrel Heights Charter School
 4700 S. Alston Avenue, Durham, NC

MOREHEAD PLANETARIUM & SCIENCE CENTER 2012 SUMMER SCIENCE CAMPS



Camp Locations!

Safe! Tested! Approved!

REGISTRATION INFORMATION AND MEMBERSHIP BENEFITS!

OUR WORLD KEEPS GETTING BIGGER AND BETTER!

Now Morehead is offering its popular Summer Science Camps at three different camp sites.

All three Morehead Summer Science Camps sites offer hands-on discovery, science-themed crafts, active indoor and outdoor recreation and highly-trained counselors. Summer Science Camps —they'll expand your child's world with a new understanding of science!

CHAPEL HILL (UNC)

Morehead continues to offer Summer Science Camps at its original Chapel Hill camp site, at Morehead Planetarium and Science Center on the UNC campus (250 East Franklin Street, Chapel Hill). All camps at the UNC camp site are half-day camps. You can register for a morning half-day camp and an afternoon half-day camp to create a full-day experience. Camps at UNC are available for grades K-8.

CHAPEL HILL (SCIVENTURES)

For grades 6-8 only, Morehead offers SciVentures, a full-day experience that combines lab and field activities. SciVentures explores robotics in 2012! SciVentures is based at the Carolina Center for Educational Excellence, which is adjacent to Smith Middle School (9201 Seawell School Road, Chapel Hill).

RESEARCH TRIANGLE PARK -NEW!-

Morehead Summer Science Camps is adding a new camp site in 2012: Research Triangle Park! This is a convenient choice for parents who work in RTP. Our RTP camp site is based at Kestrel Heights Charter School (4700 South Alston Avenue, Durham) — southeast of the intersection of N.C. Highway 54 and N.C. Highway 55.

All camps at the RTP camp site are full-day experiences, exploring one theme in the morning and a different theme in the afternoon. Camp hours and fees are different for the RTP camp site, and extended care is included for all RTP campers. Camps at RTP are available for grades K-8.

REGISTER IN THREE SIMPLE STEPS

1 CHOOSE YOUR CAMPS

Use the information in this camp guide and online at www.moreheadplanetarium.org/go/camp to choose the programs that match your child's grade level and interests and your family's summer schedule. If you have more than one child to register, you can register all in a single online session.

2 USE ONLINE REGISTRATION TO RESERVE YOUR CAMPS

Access the camp registration portal via www.moreheadplanetarium.org/go/camp. If a camp is full, consider joining the waiting list. (If you're a current Morehead member, you're eligible for "members only" early registration — check your US Postal Service mail in late January for details!)

3 SUBMIT REQUIRED FORMS TO MOREHEAD TO CONFIRM YOUR CAMPS

Complete the camp contract, health form and other documents that you receive in your confirmation e-mail and return them to Morehead's camp office. Morehead reserves the right to cancel your registration if these forms are not submitted within two weeks of that registration. Your child cannot attend camp unless these forms are completed, signed and returned.

MEMBER-ONLY BENEFITS AND DISCOUNTS

All current Morehead members are eligible to register before the public during "members only" early registration period beginning Monday, February 6, 2012, at 12 Noon. In addition, all current Morehead members receive special discount pricing!

If you are a Lunar Level member or above (member dues of \$250 or more annually), you are eligible for special "concierge" registration privileges. Morehead's guest relations team will contact eligible members in mid-January to arrange a telephone appointment to register their children for camp. If you are eligible for "concierge" registration, you are guaranteed space in the camps of your choice if you complete your registration by February 3, 2012.

All current Morehead members will receive a letter through the U.S. Postal Service with instructions for accessing the special "members only" early registration portal. Please be sure that Morehead has your correct mailing address in its membership database! You should receive this letter no later than January 25, 2012.

BECOME A MEMBER (OR RENEW) TO ENJOY MEMBER BENEFITS.

If you are not a Morehead member, you may join now to become eligible for early registration and other membership benefits. Become a member or renew your membership online at www.moreheadplanetarium.org/go/membership.

You must complete the membership process before you begin the camp registration process. You will not have the opportunity to become a member or renew membership during the camp registration process.

CONTACT INFORMATION

CAMP OFFICE

919-843-7334
mpsc_camps@unc.edu
www.moreheadplanetarium.org/go/camp

MOREHEAD MEMBERSHIP

919-843-3475
mpscmembers@unc.edu
www.moreheadplanetarium.org/go/membership

TEEN VOLUNTEER PROGRAM

919-843-7334
mpsc_volunteers@unc.edu

IMPORTANT!

2012 CAMP DATES

Camp info posted on Morehead website	January 11
Early registration info mailed to members	January 16
Registration for Lunar Level members and above	January 23-February 3
"Members only" online registration opens at 12 Noon	February 6
Public online registration opens at 12 Noon	February 13
Camp open house and orientation	Early June

CAMP FEES

	MEMBER	PUBLIC
Half-day Camp (UNC site)	\$135	\$150
Full-day Camp (RTP site)	\$325	\$355
Full-day SciVentures (grades 6-8 only)	\$345	\$360
Morning Extended Care (Chapel Hill)	\$20	\$20
Afternoon Extended Care (Chapel Hill)	\$25	\$25

All fees are per week. All weeks (including the July 4 week) are five days, Monday-Friday.

Your total camp fee includes tuition plus the cost of any extended care. When you reserve a spot for your child, you must pay a deposit of \$50 per half-day camp (UNC site) or full-day experience (RTP site or SciVentures), which is applied to total camp fees. Each deposit is nonrefundable unless Morehead cancels the camp.

If you register before April 14, 2012, you may pay only this deposit to hold your reservation OR you may pay the total camp fee. If you pay only this deposit during registration, you must pay the balance of the total camp fee by April 30, 2012. If you register on or after April 14, 2012, you must pay the total camp fee when you register.

See the "Policies" section for cancellation information.

CAMP DESCRIPTIONS BY GRADE LEVEL!



GRADE LEVELS K-1

AQUATIC ADDRESSES

Splash! Splash! What kinds of animals live in the wet? Join us as we explore puddles, lakes, rivers and oceans. Come design whale outfits and create tadpoles that become frogs. Get your bathing suits ready because it's going to be a wet ride!

BODIES IN MOTION

Our world is in constant motion! Investigate how things move — plants, animals, planets and machines. Participate in a Moon dance and learn all about gravity. Get ready — this camp will move you!

BUILT TO LAST

Pyramids, bridges, arches and towers — humans have built them all. In this camp, you will, too! Investigate the shapes and structures all around us in the natural and human-made worlds. Learn how to make structures that are built to last.

GRADE LEVELS 2-3

BRAIN POWER

Your brain is your boss. Learn why as you journey inside the body's command center. Optical illusions, mazes and even ice cream sundaes will help demonstrate how the brain controls senses, actions, thoughts and moods. Along the way, discover how to boost your brain power!

CRICKET CODING

Did you know you can program a "cricket" to sing on cue and make your inventions dance? Program a PicoCricket® and make your imagination come to life using LEGO® bricks and craft materials. Decipher coding language and crack open a computer to see what is actually inside. You'll never look at video games the same way again!

MAGIC TREE HOUSE® EXPLORERS

How many stars in the starry night sky? If we flew to the Sun, how long would we fly? Will we travel to planets, and will it be soon? Will we ever be able to live on the Moon? How does it feel to journey through space? And why is our Earth such a special place? Discover the answers to these and more Magic Tree House® riddles about astronomy and space science!

DINOSAUR DETECTIVES

Explore the exciting world of dinosaurs. Making Triceratops masks and getting to know a Tyrannosaurus Rex are just the beginning of the fun as campers explore what the world was like when dinosaurs ruled Earth. Dinosaur enthusiasts only, please!

MAGIC TREE HOUSE® EXPLORERS

Like Jack and Annie, young campers enter the Magic Tree House® for exciting adventures to an observatory, a space station and the Moon. Daily story time will be an important part of this Magic Tree House® journey!

SUN FUN

The Sun — so far away but so important to us! Make sun prints, build sundials and discover how the Sun helps us. By the end of the week, you'll know why the Sun is our favorite star!

ME AND MY SHADOW

Why does your shadow change shape? Through experimentation and creative play, campers will make rainbows, measure time with shadows and discover how scientists use light to learn about the Universe.

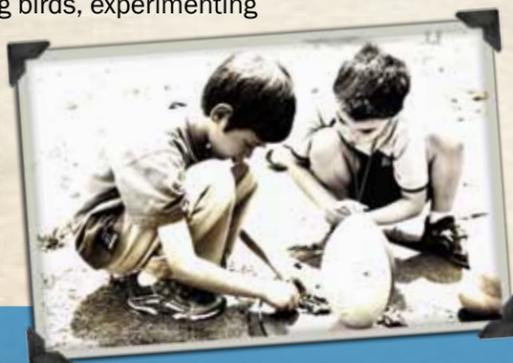
SECRET FORMULAS

How does glue "stick"? What makes soda so sweet? In "Secret Formulas," campers develop recipes to create the best products possible and then create advertising for their products. Great fun for young scientists and entrepreneurs!

THE WRIGHT STUFF

How did the Wright brothers learn about flying machines? They used scientific thinking, did experiments and collected data. By observing birds, experimenting

with flying toys and creating model airplanes, campers will get it right like the Wright brothers!



FIZZ! BANG! BOOM!

Spend a week exploring chemistry in this exciting camp. Learn about atoms and molecules, acids and bases, and chemical reactions with a series of hands-on experiments. Campers will experiment with freezing points using ice cream and explore the science of fireflies by making glow sticks.

GOOD EATS

Did you know that chemistry happens in your kitchen every day? We're going to turn our kitchen into a lab and put on our science chef hats to find out what gives vegetables their flavors and what makes popcorn pop. Who knew science could taste this good? **This camp is not recommended for children with food allergies or food sensitivities.*

LEGO® LAB

Physics and engineering come to life with the aid of LEGO® advanced building bricks. Campers use simple machines to complete projects — using wheels, axles and gears to make cars; pulleys to make cranes; and levers to make trebuchets! Put it all together with your co-engineers to build a Rube Goldberg machine.

ASTRONOMICAL WONDERS

How do objects move through space? Does their movement affect our sense of direction and time? Become a space observer and learn to identify constellations and planets. Explore telescopes and other observation tools and see how astronomers investigate deep-space objects.

CSI: CHAPEL HILL

Forensic science contains codes that we can use to unlock any number of mysteries. "CSI: Chapel Hill" campers become modern-day detectives by using hands-on laboratory experiments to uncover the story behind the crime. Who knows, there might even be a Morehead mystery to solve....

ROCKET SCIENCE

Design, construct and test new flying machines while experimenting with material, form and propulsion. Explore the laws of physics to refine your design. Then take your rocket to the launch pad to see how high your rocket flies!



GRADE LEVELS 4-5

SKY SEARCHERS

Look to the sky. What can you see with just your eyes? A lot more than you might think. In this camp, learn to identify constellations, planets and lunar craters and find the International Space Station as it travels overhead. Visit the planetarium to explore Earth, the solar system and the universe.

SURVIVOR: CHAPEL HILL

Would you know what to do if you found yourself in an unknown land? Campers will learn how to navigate using compasses, GPS units, the stars and more! By the end of the week, they'll add animal observation, fire building and teamwork to their survival skills set.

TEST PILOTS

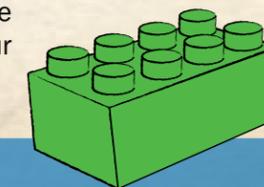
How do Frisbee flying discs, planes and helicopters travel through the air? Come experiment with the principles of lift, drag, thrust and gravity. Campers will test their piloting skills with kites and paper planes and then end the week by launching their homemade rockets.

MOON, MARS & BEYOND

The countdown for your journey to the Moon and Mars is on. Design a lunar base. Engineer a spacecraft to land on Mars. Simulate flying a rocket to Earth's two nearest neighbors. Feel the excitement of solving the scientific, engineering and biological challenges of journeying to distant worlds.

LEGO® LAB CHALLENGE

Bring your skills from LEGO® Lab to solve greater challenges! Using advanced LEGO® bricks, design and build machines, robots and other creations to solve special engineering challenges. Test, evaluate and adapt your designs — just like real scientists and engineers. Are you up for the challenge?



CHAPEL HILL (UNC) - AT A GLANCE!



	GRADE LEVELS K-1		GRADE LEVELS 2-3		GRADE LEVELS 4-5		GRADE LEVELS 6-8	
	AM	PM	AM	PM	AM	PM	AM	PM
JUNE 11-15	Sun Fun	Sun Fun	Brain Power	Brain Power	Good Eats	Good Eats	CSI: Chapel Hill	Astronomical Wonders
	Built to Last	Built to Last	The Wright Stuff	The Wright Stuff	Survivor: Chapel Hill	Survivor: Chapel Hill		
JUNE 18-22	Magic Tree House Explorers	Magic Tree House Explorers	Magic Tree House Researchers	Magic Tree House Researchers	Sky Searchers	Sky Searchers	Moon, Mars & Beyond	Rocket Science
	Dinosaur Detectives	Dinosaur Detectives	Secret Formulas	Secret Formulas	LEGO Lab	LEGO Lab		
JUNE 25-29	Aquatic Addresses	Aquatic Addresses	Me and My Shadow	Me and My Shadow	Fizz! Bang! Boom!	Fizz! Bang! Boom!	Astronomical Wonders	CSI: Chapel Hill
	Bodies in Motion	Bodies in Motion	Cricket Coding	Cricket Coding	Test Pilots	Test Pilots		
JULY 2-6	Built to Last	Sun Fun	Brain Power	The Wright Stuff	Survivor: Chapel Hill	Good Eats	Rocket Science	Moon, Mars & Beyond
JULY 9-13	Magic Tree House Explorers	Magic Tree House Explorers	Magic Tree House Researchers	Magic Tree House Researchers	Sky Searchers	Sky Searchers	CSI: Chapel Hill	Astronomical Wonders
	Dinosaur Detectives	Dinosaur Detectives	Secret Formulas	Secret Formulas	LEGO Lab	LEGO Lab		
JULY 16-20	Aquatic Addresses	Aquatic Addresses	Me and My Shadow	Me and My Shadow	Test Pilots	Fizz! Bang! Boom!	SciVentures : ROVing the Universe	
	Bodies in Motion	Bodies in Motion	Cricket Coding	Cricket Coding				
JULY 23-27	Sun Fun	Sun Fun	Brain Power	Brain Power	Survivor: Chapel Hill	Good Eats	SciVentures : ROVing the Universe	
	Built to Last	Built to Last	The Wright Stuff	The Wright Stuff				
JULY 30- AUGUST 3	Magic Tree House Explorers	Magic Tree House Explorers	Magic Tree House Researchers	Magic Tree House Researchers	Sky Searchers	Sky Searchers	SciVentures : ROVing the Universe	
	Dinosaur Detectives	Dinosaur Detectives	Secret Formulas	Secret Formulas	LEGO Lab	LEGO Lab		
AUGUST 6-10	Aquatic Addresses	Aquatic Addresses	Me and My Shadow	Me and My Shadow	Fizz! Bang! Boom!	Fizz! Bang! Boom!	SciVentures : ROVing the Universe	
	Bodies in Motion	Bodies in Motion	Cricket Coding	Cricket Coding	Test Pilots	Test Pilots		
AUGUST 13-17	Magic Tree House Explorers	Dinosaur Detectives	Magic Tree House Researchers	Secret Formulas	Sky Searchers	LEGO Lab		

MORE INFO

DAILY SCHEDULE - Chapel Hill (UNC)-

Morning Extended Care	7:45-8:45 AM
UNC Morning Drop-off	8:45-9 AM
UNC Morning Camp	9 AM-Noon
UNC Morning Pick-up	Noon
Lunch for Full-day Campers	Noon-1 PM
UNC Afternoon Drop-off	12:45-1 PM
UNC Afternoon Camp	1-4 PM
UNC Afternoon Pick-up	4-4:15 PM
Afternoon Extended Care	4:15-5:30 PM

At Chapel Hill's UNC site, all camps are half-day camps. Parents may combine both a morning camp and an afternoon camp to create a full-day experience. Parents may also register children for only a morning camp or only an afternoon camp at this site.

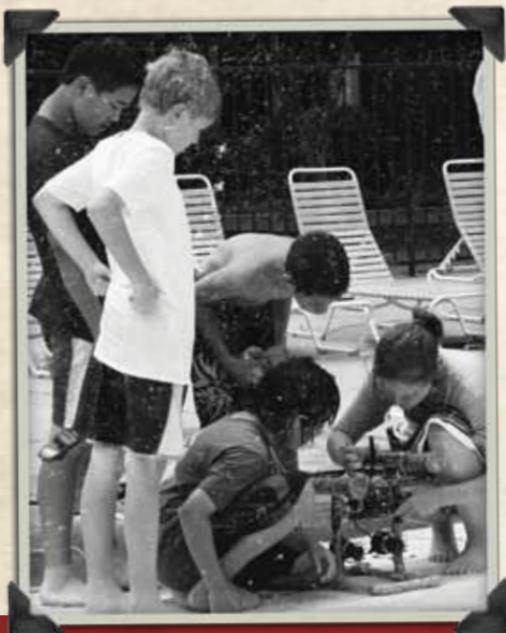
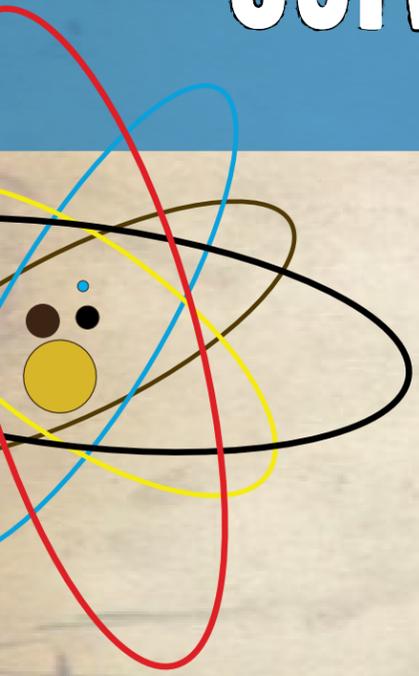
Both Chapel Hill sites offer extended care (morning, afternoon or both). You may reserve extended care for your child during online registration. You may also contact the camp office to reserve extended care no later than the Wednesday before your child's camp begins.

Additional fees apply for extended care. Refund policies for regular camp fees also apply to extended care fees.

Lunchtime extended care is provided free to children who are registered for a full-day experience. Children must bring their own lunches (campers do not have access to a refrigerator or microwave). Children who attend only a morning camp or only an afternoon camp are not eligible for lunchtime extended care.



SCIVENTURES!



SCIVENTURES -ROVing the Universe-

NEW RTP KESTREL HEIGHTS! CHARTER SCHOOL!

	GRADE LEVELS K-1		GRADE LEVELS 2-3	
	AM	PM	AM	PM
JULY 9-13	Magic Tree House Explorers	Dinosaur Detectives	Magic Tree House Researchers	Secret Formulas
JULY 16-20	Aquatic Addresses	Bodies in Motion	Me & My Shadow	Cricket Coding
JULY 23-27	Dinosaur Detectives	Magic Tree House Explorers	Secret Formulas	Magic Tree House Researchers
JULY 30-AUGUST 3	Bodies in Motion	Aquatic Addresses	Cricket Coding	Me & My Shadow

	GRADE LEVELS 4-5		GRADE LEVELS 6-8	
	AM	PM	AM	PM
JULY 9-13	Test Pilots	Fizz! Bang! Boom!	Moon, Mars & Beyond	Rocket Science
JULY 16-20	Sky Searchers	LEGO Lab	Astronomical Wonders	LEGO Lab Challenge
JULY 23-27	Fizz! Bang! Boom!	Test Pilots	Rocket Science	Moon, Mars & Beyond
JULY 30-AUGUST 3	LEGO Lab	Sky Searchers	LEGO Lab Challenge	Astronomical Wonders

MORE INFO

DAILY SCHEDULE - SciVentures-

SciVentures Morning Drop-off	7:45-8:45 AM
SciVentures	8:45-9 AM
Lunch for Full-day Campers	Noon-1 PM
SciVentures Pick-up	4-4:15 PM

The SciVentures program offers full-day experiences. There is no half-day option for SciVentures.

Both Chapel Hill sites offer extended care (morning, afternoon or both). You may reserve extended care for your child during online registration. You may also contact the camp office to reserve extended care no later than the Wednesday before your child's camp begins.

Additional fees apply for morning and afternoon extended care. Refund policies for regular camp fees also apply to extended care fees.

Lunchtime extended care is provided free to children who are registered for SciVentures. Children must bring their own lunches (campers do not have access to a refrigerator or microwave).

Science doesn't happen only in a lab - it also occurs in the field! Thanks to a partnership with UNC's School of Education, SciVentures offers middle school students the best of both worlds.

In this SciVentures program, young scientists will learn about the limits of exploration and why scientists use Remote Operated Vehicles (ROVs) in places too extreme for humans.

The students work in teams to learn about the limits of ROV exploration and the foundations of ROV science so that the teams can design ROV solutions to complete "Mars" and "Ocean" challenges modeled on real world missions. The program culminates with each team constructing their own ROV from scratch and completing a series of challenges to test their design skills.

This full-day program will meet at the Carolina Center for Educational Excellence, located adjacent to Smith Middle School in Chapel Hill. No prior field or lab experience is required.

Presented in partnership with 

MORE INFO

DAILY SCHEDULE - RTP-

RTP Camp Drop-off	7:45-9 AM
RTP Morning Camp	9 AM-Noon
Lunch for RTP Campers	Noon-1 PM
RTP Afternoon Camp	1-4 PM
RTP Camp Pick-up	4-5:30 PM

All camps at the RTP site are full-day experiences. There are no half-day options at Research Triangle Park. (For half-day options, please check the UNC site schedule in Chapel Hill.)

If your child is registered for camp at the RTP site, extended care (morning, lunch and afternoon) is automatically included as part of the camp program. Please note that children must bring their own lunches (campers do not have access to a refrigerator or microwave) and snacks for morning and afternoon breaks.



ADDITIONAL INFORMATION!

POLICIES! FAQs! ETC!

POLICIES

MEMBERSHIP ELIGIBILITY

To receive member benefits, you must be an eligible Morehead member on the day that you register.

AGE AND GRADE LEVELS

Morehead Summer Science Camps match age-appropriate grade levels in North Carolina public schools. For example, if your child will enter fourth grade in fall 2012, your child is eligible to attend any camp under the "Grades 4-5" listing.

You must register your child for a camp designed for the grade he or she will enter in fall 2012. There are NO EXCEPTIONS. This ensures the best possible academic and social environment for all campers.

REGISTRATION FOR SAME CAMP TITLE

You are not allowed to register your child for the same camp title more than once. For example, you may not register for Aquatic Addresses twice.

WAITING LISTS

If an opening occurs before the camp begins and you are next on the waiting list for a camp, a Morehead camp staff member will call you to ask if you want to claim that opening.

CANCELLATION DUE TO LOW ENROLLMENT

Morehead reserves the right to cancel a camp due to low enrollment. If Morehead cancels a camp, you'll receive a refund of the total camp fees (including the deposit).

REGISTRATION CANCELLATION BY REGISTRANT

If you cancel a registration on or before April 20, 2012, you'll forfeit the \$50 deposit but receive a refund for other camp fees you have paid.

If you cancel on or after April 20, 2012, but before May 18, 2012, you'll forfeit the \$50 deposit but receive a refund for one-half of other camp fees you have paid.

If you cancel on or after May 18, 2012, you will not receive any refund. Instead, your camp fees (less the \$50 deposit) will be treated as a tax-deductible contribution to the Morehead Summer Science Camps Scholarship Fund.

FAQS

If I'm a member, am I guaranteed a spot in the camps of my choice?

Only Lunar Level members and above are guaranteed a spot as long as they register by the designated date. All members are guaranteed priority registration. However, Morehead cannot guarantee all members a spot in the camps of their choice because a camp may be completely filled by members.

If my child is not attending both a morning and an afternoon session, can I still register for lunch care?

No, lunch care is only available for campers attending camp sessions all day. If you are registering for Chapel Hill half-day camps, your child must attend both a morning and an afternoon session to receive lunch care.

SciVentures and Research Triangle Park camps are full-day camps and include lunch care.

ADDITIONAL FAQS ARE AVAILABLE ONLINE, INCLUDING:

What does my child do during extended care times?

Can I pay registration fees in installments?

What should my child bring to camp?

Visit www.moreheadplanetarium.org/go/camp for more.

TEEN VOLUNTEERS WANTED!

Entering grades 10-12? Responsible, reliable and enthusiastic? Love kids, science and learning? Available for two or more weeks during the summer (morning or afternoon)? You could assist Morehead camp counselors as a teen volunteer.

Teen volunteers complete orientation and training with the UNC students who serve as camp counselors. There's no pay for teen volunteers, but it's a great way to fulfill school volunteer hour requirements and explore a career in science education.

Submit your teen volunteer application (found on the Morehead website) by April 9. Camp directors will review applications and interview finalists in April.



SCHOLARSHIP FUND

Morehead welcomes donations to the Summer Science Camps scholarship fund, which provides opportunities for children with documented financial need to attend camp. Scholarships are limited and may not be available for all camps.

If you would like to contribute to this fund — or if you know a child who would benefit from a camp scholarship — please contact the camp office.