



# ELEMENTARY SCHOOL CAMP LISTING RISING 2<sup>ND</sup> - 5<sup>TH</sup> GRADERS

For a complete listing of our full and cancelled camps please visit our website at [caryacademy.org/summer](http://caryacademy.org/summer)

## EXTENDED CARE

### **BEFORE AND AFTER CAMP CARE - Before, Lunch and After Care is offered for campers who are in rising grades 2 - 12.**

Cary Academy offers an extended care option to meet the needs of today's working families. Extended care activities may include opportunities to play board games, read books or participate in arts and crafts and recreational activities in a supervised environment. The central location for drop-off and pick-up is in the Sports and Education Annex (SEA building). A healthy snack will be provided in the aftercare program.



### **LUNCH CARE**

Lunch care is available for any camper who is registered for both a morning and afternoon camp or a full day camp. Alternatively, a parent is able to pick up his/her child for the lunch break. Please indicate below whether your child will be attending lunch care each week. Lunch care is not available for campers attending only one half-day camp.

Campers who attend lunch care should bring lunch and beverage with a cooler pack. No refrigeration is available. Vending machines and a concession area are available and stocked with juices, soft drinks and a variety of healthy snacks. Dining facilities will be open and supervised during lunch care.

\*A healthy snack will be provided in the aftercare program.

Grades: Rising 2 and up  
Dates: June 17<sup>th</sup> - July 26<sup>th</sup>  
Before Care: 8 a.m. - 9 a.m., \$30/week  
After Care: 4 p.m. - 6 p.m., \$50/week  
Lunch Care: Noon -1 p.m.

## PERFORMING ARTS

### **STORYBOOK TO STAGE!**

Make a storybook come alive through dramatization! Take a beloved book, learn to identify the characters and actions, write the script, create the costumes and present the tale in a small stage production all in a week! Learn to identify the protagonist, antagonist, and then expand written descriptions into actions and physical representations into characters that are acted out and brought to life on stage. Campers will have fun sharing work in a supportive environment while developing abilities they didn't know they had. This is a great collaboration camp!



Instructor: Pam Marquie, Blue Monarch Art Center

#200      Dates: July 7 - July 11  
Times: 9:00 a.m. - Noon  
Grades: rising 5<sup>th</sup> - 8<sup>th</sup>  
Cost: \$180

### **BEGINNING GUITAR**

This is the perfect beginner guitar camp for younger campers who want to start learning more about that guitar they've been playing with for months. Campers will cover basic musical notation, left and right hand technique, reading tabs, learning rhythms, beginning chords, playing by ear and learning to compose. At the end of the week, campers will have a concert for parents and a CD to bring home.



Instruction provided by Cary School of Creative Arts

#209      Dates: June 23 - June 27  
Times: 9:00 a.m. - Noon  
Grades: rising 2<sup>nd</sup> - 5<sup>th</sup>  
Cost: \$180

### **JR. SONGWRITERS STUDIO**

For younger musicians who have been playing an instrument for at least 6 months, this creative songwriting camp lets them create their own music. Campers will learn many different songwriting techniques and will work alone and in small groups to create a CD of original songs by weeks' end. Instructor: Ari Pappalardo, Cary School of Creative Arts

#214      Dates: July 21 - July 25  
Times: 9:00 a.m. - Noon  
Grades: rising 3<sup>rd</sup> - 5<sup>th</sup>  
Cost: \$180

### SONGWRITERS STUDIO

Writing your own music is one of the greatest things about learning how to play an instrument and Songwriter's Studio helps piano and guitar students easily understand the music theory that makes songwriting fun. It doesn't matter if you listen to Beethoven, Billy Joel or Adele - this camp will help you learn how to compose the kind of music that you like. Campers will look at melody lines, chord progressions, song structure and lyric writing with fun exercises as they work towards composing their first hit single or symphony. Campers are encouraged to bring in their favorite songs on CD or iPod so that we can listen to them and learn what songwriting tricks and techniques were used in writing them. The camp will be guided by professional musicians with more than 20 years of experience in the music business. Instructor: Justin Womble, Cary School of Creative Arts



#215    Dates:    July 7 - July 11  
Times:    9:00 a.m. - 4:00 p.m.  
Grades:    rising 5<sup>th</sup> - 9<sup>th</sup>  
Cost:    \$360

### PIANO FOR BEGINNERS

Here's an opportunity to make dreams come true! Begin to learn to play the piano in a week. Basic piano technique, note reading and rhythmic reading will be a part of each day's work. Campers will also have some fun with extra musical activities such as ensemble playing, music games, and eurhythmic. Campers will present a mini recital and demonstration of skills learned at the end of the week. This camp is primarily for campers with no previous experience. However, this camp is also suitable for the camper who has studied for a short period in the past and would like to review skills and reinforce their prior accomplishments.



Instructor: Dr. Katharine Boyes

#216    Dates:    June 23 - June 27  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
Cost:    \$225

#217    Dates:    July 14 - July 18  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
Cost:    \$225

### MY VERY OWN MUSICAL!

The stage is set, the curtain rises and action, let the musical begin. Campers will have an opportunity to write the story, compose the songs, choreograph the dances, design the scenery and costumes, and put on a performance. I can hear the shouts now . . . Bravo! Bravo! Instructor: Dr. Katharine Boyes



#218    Dates    July 14 - July 18  
Times:    9:00 a.m. - Noon  
Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
Cost:    \$190

### MAGIC OF THE MUSICALS

Who's your favorite character of the Broadway stage? Come and learn the songs and dances from the shows you love. Design your costumes, scenery, and props. Dazzle your audience with a Broadway review from musicals past and present. Instructor: Dr. Katharine Boyes

#219    Dates:    July 21 - July 25  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
Cost:    \$190

## VISUAL & CREATIVE ARTS

### CREATE YOUR VERY OWN

#### CRAZY DESIGNER PAJAMAS! - NEW

Learn the basics of design, pattern construction, and sewing to create one-of-a-kind personalized pajamas! Over the course of the week, campers will learn about clothing design, fabrics, the importance of fitting and how original patterns are created. Students will learn basic use of the sewing machine and the art of applique. *Pajama party on the last day of class!*

Instructor: Pam Marquie, Blue Monarch Arts



#227    Dates:    July 7 - July 11  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 5<sup>th</sup> - 8<sup>th</sup>  
Cost:    \$180

### CRAFTING GONE CRAZY!

CHOCOLATE, PAINT, PARACORD AND DUCT TAPE - What do each of these have in common? Join us and find out! A wild week of camp making new and exciting creations is in store! Each day, campers will have a different project to work on. One day will be spent with chocolate, from molding candy and lollipops to making chocolate covered pretzels, with colored sprinkles, drizzles and all! Another day, will be spent stencilling a t-shirt using multiple stencils and colors to make a one-of-a-kind creation. An all time favorite is making hemp items found at the beach, as well as the newest fad: paracord bracelets and ID holders. Campers will learn various stitches to make what they like. Design personalized note cards and/or thank you cards using specialty papers, scissors, punches and more. Have you ever made a a waterproof beach bag from a trash bag and tape? Join us and you will!



Instructor: Lori Johnson, Guest Instructor

#249    Dates:    July 7 - July 11  
Times:    9:00 a.m. - Noon  
Grades:    rising 5<sup>th</sup> - 8<sup>th</sup>  
Cost:    \$190

## VISUAL & CREATIVE ARTS (Cont.)

### CRAFTING FROM BASICS TO WOW

Looking for a camp where your imagination can explode? Each day will bring a new craft. Enjoy clay day when you will design and produce beads, pins and pen covers using sculpy clay. Learn the basics of how to work with the clay and mix colors, while creating lots of one-of-a-kind items to keep, share and give. The beach will come to camp one of the days while campers learn hemp stitches. Yes, you will make those beach items you wanted from the store such as a key chain, bracelet, necklace or anklet, adding beads from the clay-making day to personalize your creation even more. Continue this fun making paracord bracelets, too. Ready for fireworks? You will design and paint your own fireworks t-shirt. Discover all the cool items you can make with shrinky dinks (aka shrink plastic) including jewelry, zipper pulls, tie tacks, key chains, shoe charms and magnets. This camp will bring out the artist in everyone. Instructor: Lori Johnson, Guest Instructor

#251    Dates:    July 14 - July 18  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 4<sup>th</sup> - 8<sup>th</sup>  
          Cost:      \$190

### KIDS AT THE WHEEL POTTERY

This pottery camp is for both new and experienced potters. Benefit from individualized attention and learn all aspects of pottery making including how to throw on the wheel and how to use hand-building techniques. Campers will have their own wheel to use throughout the camp. After pottery is created, campers will decorate forms with a variety of colorful slips and glazes. On Friday, campers will take home all their finished pieces of pottery plus extra handmade crafts. Instructor: Johanna New, Guest Instructor



#262    Dates:    June 23 - June 27  
          Times:    1:00 p.m. - 4:00 p.m.  
          Grades:    rising 5<sup>th</sup> - 7<sup>th</sup>  
          Cost:      \$ 180

#263    Dates:    July 7 - July 11  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 5<sup>th</sup> - 7<sup>th</sup>  
          Cost:      \$ 180

#264    Dates:    July 14 - July 18  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 5<sup>th</sup> - 7<sup>th</sup>  
          Cost:      \$ 180

### ADVANCED KIDS AT THE WHEEL POTTERY

This camp is intended for campers with previous wheel and hand-building experience. Advance your throwing skills and learn how to make bigger and better pots. Campers will receive individualized attention and have their own wheel to use throughout the camp. After pottery is created, campers will decorate forms with a variety of colorful slips and glazes. On Friday, campers will take home all finished pieces of pottery. Instructor: Johanna New, Guest Instructor

#265    Dates:    July 21 - July 25  
          Times:    1:00 p.m. - 4:00 p.m.  
          Grades:    rising 5<sup>th</sup> & up  
          Cost:      \$ 180

### ADVENTURES IN CLAY

This camp is designed for both new and experienced campers. Learn how to make fun pottery projects using the pinch, slab and coil methods of working with clay. Try your hand at making a bowl on the potter's wheel with instructor's assistance. After pottery is created, campers will decorate forms with a variety of colorful slips and glazes. On Friday, campers will take home all their finished pieces of pottery plus extra handmade crafts. Instructor: Johanna New, Guest Instructor



#268    Dates:    June 23 - June 27  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
          Cost:      \$ 180

#269    Dates:    July 21 - July 25  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
          Cost:      \$ 180

### COMIC BOOK CREATORS

From Mickey Mouse to Monsters, Inc.....discover how to create all of your favorite cartoon and movie animation characters while learning a little art and cartoon history, too! Using step-by-step instruction techniques and easy to understand basic shapes and lines, campers will be drawing the classics in no time. Learn all of the artist secrets that make drawings look professional just like a real cartoonist. During the week, you will get the chance to create your own unique cartoon creations and even make your own full-color comic book! All cartoonists will take home their own portfolio of artwork from the week. No prior drawing lessons are required.



Instructor: Tom Hutchison, Cary School of Creative Arts

#281    Dates:    June 16 - June 20  
          Times:    1:00 p.m. - 4:00 p.m.  
          Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
          Cost:      \$180

Instructor: Eddie Chin, Cary School of Creative Arts

#282    Dates:    July 7 - July 11  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
          Cost:      \$180

Instructor: Tom Hutchison, Cary School of Creative Arts

#283    Dates:    July 14 - July 18  
          Times:    1:00 p.m. - 4:00 p.m.  
          Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
          Cost:      \$180

### **HARRY POTTER MEETS STAR WARS**

From Quidditch to magic potions and lasers to aliens - all things magical and sci-fi can happen this week. Campers will have the chance to build their own Quidditch stadium, magic broom and Golden Snitch. Campers will also create potions and make a Hogwarts spell book as well as learn how to draw creatures and favorite characters from favorite movies and books. Sci-fi enthusiasts will make a Jedi light saber and a space station equipped with starships, transport ships, cruisers and a Millennium Falcon.

Instructor: Kristin Schiffman, Cary School of Creative Arts

#288    Dates:    June 16 - June 20  
          Times:    1:00 p.m. - 4:00 p.m.  
          Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
          Cost:      \$180

#289    Dates:    July 14 - July 18  
          Times:    1:00 p.m. - 4:00 p.m.  
          Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
          Cost:      \$180

### **SPANISH FIESTA! - NEW**

Have you always wanted to learn Spanish and learn about Spanish culture? This summer is your chance! Learn about different Spanish cultures through crafts, projects, and cooking all while learning basic Spanish! Instruction provided by Raleigh Tutoring, Jannette Serrano

#291    Dates:    July 14 - July 18  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 2<sup>nd</sup> - 4<sup>th</sup>  
          Cost:      \$180

### **JUNIOR ARCHITECTURE**

For those who love to build things, this week gives you the chance to create your own architectural firm and build whatever you imagine...an art gallery, a history museum, a roller coaster theme park, an aquarium, a football stadium or anything at all! This week also features the classic "egg drop" project where we will create teams and design a device to protect an egg from a 15 foot drop. As future architects, campers will learn about scale, bird's eye and worm's eye perspective, elevation, style and architectural drawing as they create their own blueprints. Campers will draw inspiration from some of the most classical buildings of all time like the Parthenon as well as modern marvels like the Guggenheim Museum. At the end of the week, each architectural firm will have the chance to present their model to the class.



Instructor: Tom Hutchison, Cary School of Creative Arts

#295    Dates:    June 16 - June 20  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
          Cost:      \$180

#296    Dates:    July 14 - July 18  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
          Cost:      \$180

### **AMERICAN DOLL**

If you love your doll, then you'll love creating all sorts of artwork about her and making accessories just for her. Campers will explore the stories of popular historic American dolls with period themed crafts including making a keepsake box, a photo frame, a scented sachet and a sundress. Don't forget to bring an 18" doll to share in the fun throughout the week. On the last day, both girls and dolls will have a tea party and fashion show with music and snacks.



Instructor: Kristin Schiffman, Cary School of Creative Arts

#297    Dates:    June 16 - June 20  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
          Cost:      \$180

#298    Dates:    July 14 - July 18  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
          Cost:      \$180

## **SCIENCE & TECHNOLOGY**

### **COOKING, CARNIVALS, AND CHEMISTRY**

Back by popular demand! It's time to spend a week learning to cook, eating the food, and discovering what the science behind the fizzing, bubbling, and sizzling is! Campers will get the chance to make some favorite foods including pancakes, grilled cheese, and ice cream. The highlight of the week is without a doubt the carnival put on by the campers and includes games with prizes, exciting music and real carnival food like fried Oreos and sno-cones! The week will culminate with a root beer making competition complete with label design, product naming and a blind taste test. Here's your chance to make some of your favorite foods and analyze them to see what's really inside. A little bit of cooking, a little bit of science, a little bit of eating, and a whole lot of fun! We do our best to avoid peanut products but campers with food allergies should be aware of their own restrictions.



Instructors: Aaron Rothrock & Michael Raskevitz, CraZBrain

#403    Dates:    July 7 - July 11  
          Times:    1:00 p.m. - 4:00 p.m.  
          Grades:    rising 5<sup>th</sup> - 8<sup>th</sup>  
          Cost:      \$200

#404    Dates:    July 21 - July 25  
          Times:    1:00 p.m. - 4:00 p.m.  
          Grades:    rising 5<sup>th</sup> - 8<sup>th</sup>  
          Cost:      \$200

## SCIENCE & TECHNOLOGY (Cont.)

### SHERLOCK HOLMES DETECTIVE

The crime has been committed, the criminal has fled the scene, and it is up to you to investigate to determine what has happened! Throughout the course of the week, campers will learn many of the skills necessary to become a super sleuth.



The group will create fake aliases and identifications, learn how to use the five senses to investigate a crime scene, study teeth, finger, and lip prints, and much more. Campers will make some simple detective gadgets to take home and even try to determine who the mole of a group might be! The evidence is there, but can you find it and determine whodunit? Instructor: Adam Rothrock, CraZBrain

#406    Dates:    June 16 - June 20  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
Cost:    \$180

#407    Dates:    July 7 - July 11  
Times:    9:00 a.m. - Noon  
Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
Cost:    \$180

### 007 SPY CAMP

Ready to live the secret life of a spy by just barely escaping the clutches of villains, breaking secret codes using designed gadgets, and using evasive maneuvers to get home safely? Now is your chance to be a spy and learn some of the science that makes it all possible! Campers will learn all about breaking codes, identifying the mole in a group, developing invisible ink, making spy gadgets, following GPS coordinates, and much more. The week will culminate with a campus wide spy challenge where campers will have to use all the skills you learned throughout the week to see who has learned the most! An off-campus trip to Adventure Landing for some evasive maneuvers on go karts and "spy" laser tag will add to the fun.



Instructors: Aaron Rothrock & Michael Raskevitz, CraZBrain

#408    Dates:    July 7 - July 11  
Times:    9:00 a.m. - Noon  
Grades:    rising 5<sup>th</sup> - 8<sup>th</sup>  
Cost:    \$200

#409    Dates:    July 21 - July 25  
Times:    9:00 a.m. - Noon  
Grades:    rising 5<sup>th</sup> - 8<sup>th</sup>  
Cost:    \$200

### SECRET AGENT LAB

Step into the shoes of a detective and uncover the science involved in evidence gathering and analysis. Explore forensic science through the eyes of both a detective and spy. Use your powers of observation to solve problems and uncover crimes. Check out security systems, cool spy equipment, and funky forensic tools that are used in real crime scene labs! Instruction provided by Mad Science



#410    Dates:    July 14 - July 18  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
Cost:    \$190

### MYTHS BUSTED OR CONFIRMED

Come spend the week doing fun science experiments and demos that will either prove or bust popular myths that you've heard throughout your life. Will your stomach really explode if you drink soda while eating pop rocks? Does diet soda really erupt when you put candy inside? Do windmills actually create any energy? Are your senses of taste and smell actually connected? This camp uses science to answer some of the common questions and misconceptions that young, curious minds may have about how things work in their daily lives. We don't just ask the questions here; we do the experiments to get the answers! Instructor: Adam Rothrock, CraZBrain



#405    Dates:    July 14 - July 18  
Times:    9:00 a.m. - Noon  
Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
Cost:    \$180

### CHEMICALS, CELLS AND CRIME

Mad Science introduces you to life in the form of cells and organs and how the science behind life can help you solve a crime! Discover the secrets behind batteries and design marshmallow molecules! Conduct electricity and power a Mad Science whirligig. Experience blood pumping through the heart and air moving through the lungs. Use ooey goey ingredients to build a model cell and use your own traits to decode and decipher your DNA. Instruction provided by Mad Science

#411    Dates:    July 7 - July 11  
Times:    9:00 a.m. - Noon  
Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
Cost:    \$190

### CRAZY CHEMWORKS

This action-packed camp explores the chemistry of everyday life! Campers will both learn and apply the concepts, tools and techniques of real chemists. The group will learn real lab techniques and safety procedures and use these throughout the week to mix crazy concoctions and chemical combos. Campers will experiment with super sticky stuff, explore glow-in-the-dark technology, mix potions, and make slime and more! To keep the fun going, campers will take home a full set of Mad Science lab gear!

Instruction provided by Mad Science

#460    Dates:    July 7 - July 11  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
Cost:    \$190

### GIRLS AND GADGETS

In this camp, created especially for girls, we will explore and solve engineering problems and build a variety of machines using Legos® and other gadgets. Campers enjoy hands-on activities that incorporate math, science and creativity.

Instruction provided by TechStars by Computer Explorers

#418    Dates:    June 23 - June 27  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 2<sup>nd</sup> - 3<sup>rd</sup>  
Cost:    \$180

#419    Dates:    July 7 - July 11  
Times:    9:00 a.m. - Noon  
Grades:    rising 2<sup>nd</sup> - 3<sup>rd</sup>  
Cost:    \$180

### **CRAZY CONTRAPTIONS JR**

Many of our younger campers saw Crazy Contraptions in action last year and requested an elementary friendly version, so here it is! It's an age appropriate hands-on builder's dream! Ever seen those crazy contraptions where a marble rolls down a ramp and knocks over a domino which triggers the lever to start the zip line that knocks down a weight all just to turn the light off? These complicated devices designed to complete simple tasks are called Rube Goldberg Machines. This is your chance to design and build them while learning the science that makes it happen. Campers will learn the basics of simple machines, including ramps, pulleys, and levers as well as teamwork skills necessary to make their machines really go! Campers will also be introduced to topics including gravity, friction, potential and kinetic energy and many more in this hands-on, action packed camp! Instructor: Adam Rothrock, CraZBrain



#412    Dates:    June 23 - June 27  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 2<sup>nd</sup> - 5<sup>h</sup>  
Cost:    \$180

### **CRAZY CONTRAPTIONS**

Ever seen those crazy contraptions where a marble rolls down a ramp and knocks over a domino which triggers the lever to start the zip line that knocks down a weight all just to turn the light off? These complicated devices designed to complete simple tasks are called Rube Goldberg Machines. This is your chance to design and build them while learning the science that makes it happen. Campers will learn the basics of simple machines, including ramps, pulleys, and levers as well as teamwork skills necessary to make their machines really go! Campers will also be introduced to topics including gravity, friction, potential and kinetic energy and many more in this hands-on, action packed camp! Instructors: Aaron Rothrock & Michael Raskevitz, CraZBrain



#413    Dates:    June 16 - June 20  
Times:    9:00 a.m. - Noon  
Grades:    rising 5<sup>th</sup> - 8<sup>th</sup>  
Cost:    \$180

#414    Dates:    July 14 - July 18  
Times:    9:00 a.m. - Noon  
Grades:    rising 5<sup>th</sup> - 8<sup>th</sup>  
Cost:    \$180

### **REMOTE CONTROL CAR CHALLENGE, JR. - NEW**

We've taken all the fun of our remote control (R/C) car camp and geared it towards elementary school campers. Campers will use Legos and tinker toys to enhance their own R/C car battle bot. Add in the drama of head to head competition and you've got a camp with non-stop action. In R/C Car Challenge, campers will test fellow campers to see who can design a machine that collects the most tennis balls, scores the most goals, moves the fastest, maneuvers the best, and can disable their opponent's car the quickest. This camp is much more than just driving R/C cars. Campers design and strategize modifications to the R/C car to defeat opponents in the battle arena; there will even be some matches that will pit four different cars in a winner-takes-all event. Bring your engineering skills, energy, team



work, and positive attitude for some friendly competition and destruction! Instructor: Adam Rothrock, CraZBrain

#415    Dates:    July 7 - July 11  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
Cost:    \$180

### **REMOTE CONTROL CAR CHALLENGE - NEW**

We've taken the fun of remote control cars, paired it with the freedom to design with Legos and tinker toys, and added the drama of head to head competition, resulting in a camp with non-stop action. In R/C Car Challenge, campers will see who can design a machine that collects the most tennis balls, scores the most goals, moves the fastest, maneuvers the best, and can disable their opponent's car the quickest. But this camp is much more than just driving R/C cars. Campers will design and strategize modifications to their R/C car to defeat their opponents in the battle arena; there will even be some matches that will pit four different cars in a winner-takes-all event. Bring the engineering skills, energy, team work, and positive attitude for some friendly competition and destruction!



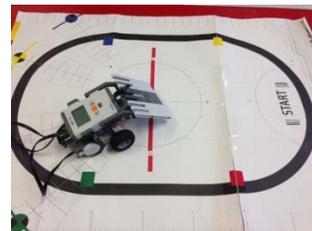
Instructors: Aaron Rothrock & Michael Raskevitz, CraZBrain

#416    Dates:    June 23 - June 27  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 5<sup>th</sup> - 8<sup>th</sup>  
Cost:    \$180

#417    Dates:    July 14 - July 18  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 5<sup>th</sup> - 8<sup>th</sup>  
Cost:    \$180

### **FUN WITH LEGO MINDSTORMS**

This camp is designed to bring out the creativity in everyone! Working in pairs or small groups, you will design and build robots using the LEGO® Mindstorms® Robotic Kit while having fun with hands-on explorations. Each day offers a different theme where campers will make different robots that may include animals, insects, cars and much more. It's a great camp if you love playing with LEGOS or just like to be creative. Note: No prior programming or robotics experience is necessary. Instruction provided by BounceU



#431    Dates:    June 16 - June 20  
Times:    9:00 a.m. - Noon  
Grades:    rising 3<sup>rd</sup> - 5<sup>th</sup>  
Cost:    \$180

#432    Dates:    July 14 - July 18  
Times:    9:00 a.m. - Noon  
Grades:    rising 3<sup>rd</sup> - 5<sup>th</sup>  
Cost:    \$180

### **ROBOTICS WITH LEGO MINDSTORMS - BEGINNERS**

Get ready to take control! Using the NXT brick from LEGO®, build robots, program them to accomplish tasks, respond to external stimuli, and overcome challenges such as navigation, avoiding and/or climbing over obstacles and moving objects. Control the robot with the NXT programming language. Get your brains in gear and your robots moving.

Instruction provided by TechStars by Computer Explorers



#433    Dates:    June 23 - June 27  
Times:    9:00 a.m. - Noon  
Grades:    rising 4<sup>th</sup> - 6<sup>th</sup>  
Cost:    \$180

### **3D ROBOTIC VIDEO GAME CONTROLLER**

Ever wanted to make your own self-controlled game for your video game system? Control the onscreen action! Build your own creatures that make amazing things happen on the computer screen. This special course uses the most innovative tools available to build robots with sensors that communicate and control the computer image. Build alligators, magic wands, butterflies, monkeys and more and watch as you bring them to life onscreen. Dazzle your friends with what you create AND what you learn!

Instruction provided by TechStars by Computer Explorers

#434    Dates:    July 21 - July 25  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 5<sup>th</sup> - 7<sup>th</sup>  
Cost:    \$180

### **LET'S DO ROBOTICS**

Yes, We CAN learn about Robotics! With the LEGO™ WeDo Robotics Kits, you can build and program your own robotic creations. Designed by the experts at MIT, this system teaches simple machines, engineering, and programming. In this hands-on class, robots rule!

Instruction provided by TechStars by Computer Explorers



#436    Dates:    June 23 - June 27  
Times:    9:00 a.m. - Noon  
Grades:    rising 2<sup>nd</sup> - 3<sup>rd</sup>  
Cost:    \$180

### **REMOTE CONTROL MANIA - NEW**

Making it move is the name of the game at this exciting camp! Campers will love to see their creations in motion using LEGO® wireless remote controls. Each day, campers will use fascinating and challenging LEGO® components to create dynamic vehicles, inventions, machines and more. As they enjoy the fun of building, campers will understand the basic working principles of many ingenious devices that are part of our everyday lives. Campers will also learn how to magnify and diminish force to move objects at different speeds and in different directions. This camp is loads of fun and learning for budding builders. All Campers take home a custom mini-figure.

Instruction provided by Bricks 4 Kidz

#438    Dates:    July 21 - July 25  
Times:    9:00 a.m. - Noon  
Grades:    rising 4<sup>th</sup> - 6<sup>th</sup>  
Cost:    \$180

### **JUNIOR ENGINEERING WITH LEGOS**

Campers will explore and solve problems while learning about the building blocks of engineering - simple machines. They will use Legos to enjoy hands-on activities with levers, gears, wheels, axles and pulleys that incorporate math, science and creativity. Join us in this FUN class that teaches beginning principles of engineering! Everybody move full STEAM ahead!

Instruction provided by TechStars by Computer Explorers



#440    Dates:    July 14 - July 18  
Times:    9:00 a.m. - Noon  
Grades:    rising 2<sup>nd</sup> - 3<sup>rd</sup>  
Cost:    \$180

### **NINJANEERING WITH LEGO® - NEW**

Enter the world of Ninjago and become an apprentice Ninjaneer! Learn the way of Spinjitzu, build the Fire Temple, race Skull Trucks, and encounter the mighty Dragon! Imagine and build unique and fun projects with the guidance of an experienced Play-Well instructor while exploring the fantasy world of Ninjago. This is an ideal way to prepare young Ninjaneers for the challenge of Ninjaneering Masters with LEGO camp.

Instructor: Alex Pearce, Play-Well TEKologies



#441    Dates:    July 7 - July 11  
Times:    9:00 a.m. - Noon  
Grades:    rising 2<sup>nd</sup> - 3<sup>rd</sup>  
Cost:    \$180

#442    Dates:    July 21 - July 25  
Times:    9:00 a.m. - Noon  
Grades:    rising 2<sup>nd</sup> - 3<sup>rd</sup>  
Cost:    \$180

### **NINJANEERING MASTER WITH LEGO® - NEW**

Master the world of Ninjago by becoming a Ninjaneer! Tame the Ice Dragon, motorize your Blade Cycle, design the Dark Fortress, and hone your Spinjitzu battle skills! In this advanced camp Ninjaneering masters will learn real world concepts in physics, engineering, and architecture while exploring the fantasy world of Ninjago.

Instructor: Alex Pearce, Play-Well TEKologies

#443    Dates:    July 7 - July 11  
Times:    1:00 p.m. - 4:00 p.m.  
Grades    rising 4<sup>th</sup> - 6<sup>th</sup>  
Cost:    \$180

#444    Dates:    July 21 - July 25  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 4<sup>th</sup> - 6<sup>th</sup>  
Cost:    \$180

### **JEDI ENGINEERING WITH LEGO®**

Young JEDI will explore worlds far, far away and engineering principles right in front of them. Defeat the Empire by designing and refining X- Wings, R2- units, and settlements on far-flung edges of the galaxy. Imagination and engineering combine to create motorized and architectural projects such as energy catapults, shield generators, and defense turrets. Join us for a new offering of original designs for our young JEDI. Instructor: Alex Pearce, Play-Well TEKologies



#445    Dates:    June 16 - June 20  
Times:    9:00 a.m. - Noon  
Grades:    rising 2<sup>nd</sup> - 3<sup>rd</sup>  
Cost:    \$180

### **JEDI MASTER ENGINEERING WITH LEGO®**

The Force is strong in this camp. Build complex machines and structures based on the best designs from a galaxy far, far away. Projects include X-Wings, AT-AT walkers, Pod racers, Star Destroyers, Cloud Cities, settlements, and fortresses. Play-Well's Jedi instructors reinforce key engineering concepts such as gear trains, worm drives, pneumatics, concentric motion and much more as students tap into the powerful forces of imagination and engineering. Instructor: Alex Pearce, Play Well TEKologies

#446    Dates:    June 16 - June 20  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 4<sup>th</sup> - 6<sup>th</sup>  
Cost:    \$180

### **RED HOT ROBOTS**

Join us for a week of fun with amazing robots. Learn about the uses of robots in our world and spend time experimenting with super cool, red hot robots. Experiment with sound-sensing robots, line-tracking robots, amphibious robots and robots that can even play soccer! Discover the science of circuits and how robots use sensors to explore things around them. Use your skills to build your very own working robot to take home with you.



Instruction provided by Mad Science

#453    Dates:    June 16 - June 20  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 4<sup>th</sup> - 7<sup>th</sup>  
Cost:    \$205

### **INTERESTING INVENTIONS CAMP - NEW**

Most objects used on a daily basis were invented by someone. Find out the origins of things like the hand mixer, windshield wipers and conveyor belts. During this week, campers will discuss the difference between an invention and a discovery, learn how inventions solve problems, and find out how inventors get their ideas patented. All week, campers are encouraged to think of what they could invent or improvements they could make to an existing object to solve a problem. Campers will construct a variety of familiar objects, giving them hands-on "Inventor" experience. Each object is motorized for maximum movement and fascination! Start creating and inventing! Instruction provided by Bricks 4 Kidz

#450    Dates:    June 23 - June 27  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 3<sup>rd</sup> - 6<sup>th</sup>  
Cost:    \$180

#451    Dates:    July 21 - July 25  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 3<sup>rd</sup> - 6<sup>th</sup>  
Cost:    \$180

### **ENGINEER THE FUTURE - NEW**

By the Year 2030, power will come from wind and water, bridges and skyscrapers will be ultralight, people will be travelling on personal aircraft and homes and shopping malls might be underground or even in the air. These are engineering feats that are only beginning to be considered. You will serve as the engineer and test your creativity, imagination, and design skills to build small scale models and test how effective they are. If you love to use your hands to build towers, bridges, parachutes, and more, this is the camp for you. Our future world is in your hands!



Instructors: Aaron Rothrock & Michael Raskevitz, CraZBrain

#448    Dates:    June 16 - June 20  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 5<sup>th</sup> - 8<sup>th</sup>  
Cost:    \$180

### **SPACE ADVENTURES CAMP - NEW**

Inspired by NASA and Star Wars™, our Space Adventures Camp is packed full of models that will make your imagination blast off! Each day, campers will learn about real-life space exploration and build models related to the NASA space program. In addition, the day includes LEGO® Star Wars™ themed models, video games, group games, challenges and more. Space Adventure camp provides the spark for imagination and creativity to take off on an adventure that's out of this world! All campers take home a custom mini-figure. Instruction provided by Bricks 4 Kidz

#452    Dates:    July 21 - July 25  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 3<sup>rd</sup> - 6<sup>th</sup>  
Cost:    \$180

### NASA: JOURNEY INTO OUTER SPACE

Take a voyage of discovery into the atmosphere and beyond! Explore planets, moons and other space phenomena in our solar system. Discover the difficulties of space travel as well as the challenges of living in space and



try assembling a satellite while training to be an astronaut. Learn about the various technologies that make space exploration possible while bouncing lasers around the room, building your own Mad Science rocket and launching them with your fellow space travelers. Campers will have lots of projects to make and take home. Mad Science is the ONLY organization licensed to use these activities for summer camps and school programs. All material developed by Mad Science and NASA. Instruction provided by Mad Science

#457    Dates:    June 23 - June 27  
          Times:    1:00 p.m. - 4:00 p.m.  
          Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
          Cost:      \$190

### 3...2...1... BLAST OFF

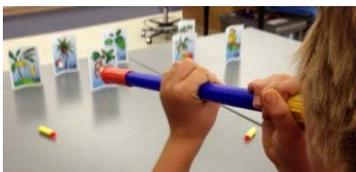
In this camp, we will focus solely on rockets and the physics of rocket flight. Young rocket scientists will build multiple designs and participate in daily launches. After learning the model rocket safety code, you will prepare for launches, perform the role of altitude trackers and launch rockets propelled by water and solid fuel engines. Hands-on activities will get your creative juices flowing when you test the laws of physics that keep rockets in space and build a simple telescope and a model of Saturn. Houston, we have lift-off! Instruction provided by Mad Science



#456    Dates:    July 21 - July 25  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
          Cost:      \$190

### EUREKA!

This is a camp for the inventors! You will overcome a series of challenges using basic materials, simple machines, tips from famous inventors and, most important of all, your mind!



With a little bit of ingenuity, campers will create catapults and forts, construct working light sticks to take home and assemble a set of circuits with batteries and light bulbs. While Thomas Edison said "invention is 10% inspiration and 90% perspiration", this camp is 100% FUN! Instruction provided by Mad Science

#455    Dates:    July 21 - July 25  
          Times:    1:00 p.m. - 4:00 p.m.  
          Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
          Cost:      \$190

### INTRODUCTION TO THE SCIENCE OF MUSIC

Campers will engage in fun hands-on activities and experiments that reveal the deep connections between music and biology, anatomy, physics and math. The camp will record and analyze sounds from the animal kingdom using Cornell University's Raven recording and editing software. They will discover the anatomy and acoustics behind how animals communicate in the natural world. By tracing mathematical patterns in nature, campers will learn why beauty can be found in the designs of flowers as well as songs- both human and avian. Campers will craft their own banjos using materials provided to them as well as an ordinary household item they provide. After creating and rehearsing songs together, campers will end the week by performing with these hand-crafted instruments.

Instructor: David Proeoehl, Guest Instructor

#423    Dates:    July 21 - July 25  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 3<sup>rd</sup> - 5<sup>th</sup>  
          Cost:      \$180

### CREATURES USING PHYSICS TO TAKE OVER THE WORLD - NEW

Physics and engineering are more than math equations and calculators! Campers will build castles, mini slingshots, catapults, and tiny bow and arrows to destroy the enemy team and capture their flag. The group will choose an army, whether its soldiers or zombies, dinosaurs or kittens. Do you have what it takes to put your arrows on target, protect your land, trick your opponent, and take over other kingdoms? It'll take more than just a clever strategy. It will take calculated shooting, an understanding of fundamental physics, creative building skills, and an ability to react to your opponent's maneuvers. Can a team of ballerinas conquer the ninjas? Anything is possible!

Instructors: Aaron Rothrock & Michael Raskevitz, CraZBrain

#447    Dates:    June 23 - June 27  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 5<sup>th</sup> - 8<sup>th</sup>  
          Cost:      \$180

### YOUTH DIGITAL STUDIO 3D ANIMATION AND PRINTING - NEW

Direct and animate your own 3D animated video! Just like the 3D animated movies we are used to watching on the big screen, campers will learn the fundamentals of professional 3D animation, modeling, and printing!



In this camp, campers will create the story for their video and sketch out ideas for characters and props before bringing them to life using the 3D software tool Blender. Campers will create 3D models to use in their animations and will also explore the world of 3D printing as they use our 3D Printers to print their favorite model. At the end of the camp, camper's animation will be published online and they will be able to take home their 3D printed models. Campers do NOT NEED to be familiar either Animation or 3D Printing to succeed in this camp. This will be a thorough introduction to the world of 3D animation, modeling, and printing.

Instruction provided by Youth Digital Studio

#488    Dates:    July 21 - July 25  
          Times:    9:00 a.m. - 4:00 p.m.  
          Grades:    rising 3<sup>rd</sup> - 5<sup>th</sup>  
          Cost:      \$400

### YOUTH DIGITAL STUDIO MOD DESIGN CAMP

Have you ever wanted to add something completely new to Minecraft®? In this camp, campers will learn the basics of Java while modifying the popular game Minecraft®. Campers will conceptualize, design and code their own custom Mod using Java, one of the most widely used programming languages today!



Campers will learn how to create their own Blocks, Items, Mobs, and more over the course of the camp.

They will use Eclipse SDK and other tools to quickly modify and edit the code of the game. Campers will also explore the world of graphic design as they create their own skins/textures for their mods.

At the end of camp, campers will be able download and share their Mod with friends and family! **This camp has been updated and includes brand new content so last year's campers can join in!**

Campers do NOT NEED to be familiar either Java or Minecraft® to succeed in this camp. This camp is a great introduction to the world of Java development. Instruction provided by Youth Digital Studio

#523    Dates:    June 16 - June 20  
Times:    9:00 a.m. - 4:00 p.m.  
Grades:    rising 3<sup>rd</sup> - 5<sup>th</sup>  
Cost:    \$400

#526    Dates:    July 7 - July 11  
Times:    9:00 a.m. - 4:00 p.m.  
Grades:    rising 3<sup>rd</sup> - 5<sup>th</sup>  
Cost:    \$400

#529    Dates:    July 14 - July 18  
Times:    9:00 a.m. - 4:00 p.m.  
Grades:    rising 3<sup>rd</sup> - 5<sup>th</sup>  
Cost:    \$400

### YOUTH DIGITAL STUDIO GAME DESIGN

In this camp, campers will create their own 3D Video Game! They will design their game from start to finish, beginning with pencil and paper and ending with a polished, professional-looking game. Throughout this process, they will learn the fundamentals of 3D Game Development.

To develop the games, campers will use OWL Game Creator, which we have developed specifically with our target age range in mind. This software program equips campers with the knowledge and skills they need to pursue Game Design at a professional level. Campers will learn level design, texturing, volumes, lighting and more to build out their 3D world - they can create anything they can imagine. Campers will also learn Game Scripting so that they can program the functionality of their game. At the end of camp, each camper will be able to download their own 3D Game and share it with family and friends. This camp has been updated, and includes brand new content, so last year's campers can join in! Campers DO NOT need any prior experience to succeed in this

camp. This camp is a great introduction to the world of 3D Game Design and Development.

Instruction provided by Youth Digital Studio

#470    Dates:    June 16 - June 20  
Times:    9:00 a.m. - 4:00 p.m.  
Grades:    rising 3<sup>rd</sup> - 5<sup>th</sup>  
Cost:    \$400

#473    Dates:    July 21 - July 25  
Times:    9:00 a.m. - 4:00 p.m.  
Grades:    rising 3<sup>rd</sup> - 5<sup>th</sup>  
Cost:    \$400

### YOUTH DIGITAL STUDIO APP DESIGN CAMP

In this exciting camp, campers design and program their very own App!

Over the course of the week campers are introduced to the development process as they conceptualize, design, and code their very own App for Apple® or Android® devices! Campers will work within a Software Development Kit where they can program the if-then statements that control how their App works. Campers will also learn how to use a Graphic Design Program to create all the assets for their project. At the end of camp, campers can download their app onto their own phone, tablet, or iPod!



**This camp has been updated, and includes brand new content so last year's campers can join in!** Campers do NOT NEED to have an Apple or Android device nor be familiar with programming or graphic design to succeed in this camp. This will be a great introduction to the world of app design and development.

Instruction provided by Youth Digital Studio

#476    Dates:    June 23 - June 27  
Times:    9:00 a.m. - 4:00 p.m.  
Grades:    rising 3<sup>rd</sup> - 5<sup>th</sup>  
Cost:    \$400

#479    Dates:    July 7 - July 11  
Times:    9:00 a.m. - 4:00 p.m.  
Grades:    rising 3<sup>rd</sup> - 5<sup>th</sup>  
Cost:    \$400

### YOUTH DIGITAL STUDIO FASHION DESIGN - NEW

Fashion Design involves so much more than just an idea and some creativity. Learn the tools of the trade as you take your ideas to the next level in Fashion Design camp! Campers will design their own collection in design software according to industry standards. They will sketch croquis, design flats and even design their own textiles! At the end of the week, students will have a design portfolio to show for their efforts! Campers will also be able to order their custom-printed fabric. Campers do not need to have prior experience to succeed in this camp.

Instruction provided by Youth Digital Studio

#482    Dates:    June 23 - June 27  
Times:    9:00 a.m. - 4:00 p.m.  
Grades:    rising 3<sup>rd</sup> - 5<sup>th</sup>  
Cost:    \$400

#485    Dates:    July 14 - July 18  
Times:    9:00 a.m. - 4:00 p.m.  
Grades:    rising 3<sup>rd</sup> - 5<sup>th</sup>  
Cost:    \$400

### **LEGO STOP-MOTION ANIMATION**

This camp will be sure to bring stories to life. Campers will be introduced to the basics of animation and movie making using stop-motion animation techniques. Campers will create their storyboard, choose and create actors, build sets using LEGO® and create their very own movies with the Movie Making software. They will also bring movies to life with the addition of music, special effects and professional titles. Several LEGO® themes are available to choose from which include Super Heroes, Ninjago®, Star Wars®, LEGO® Friends® and more. Campers will also learn how to create their very own animation on computer and bring the final movies home on a flash drive to share with friends and families.



Instruction provided by BounceU

#494    Dates:    June 16 - June 20  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 3<sup>rd</sup> - 5<sup>th</sup>  
Cost:    \$180

#495    Dates:    July 14 - July 18  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 3<sup>rd</sup> - 5<sup>th</sup>  
Cost:    \$180

### **VIDEO GAME LAB - NEW**

In this course, campers will use Xbox controllers to design, program and present their own unique video game. Learn to add objects, add scoring elements, create paths, and add multiple characters. Navigate the Xbox 360 Gamepad and build your technical skills as you create enjoyable, fun, and challenging games to share with family and friends!

Instruction provided by TechStars by Computer Explorers

#512    Dates:    July 21 - July 25  
Times:    9:00 a.m. - Noon  
Grades:    rising 3<sup>rd</sup> - 5<sup>th</sup>  
Cost:    \$190

### **VIDEO GAME ANIMATION**

Campers dive into the world of video game animation by creating characters that dance, sing and interact with one another. Sound effects and music clips are added to create a dynamic video animation game using Scratch, the innovative programming language created just for kids by the MIT Media Lab. Campers can post their game online so that friends, parents and others can play the video game! Creativity rules in this fun version of video game design!

Instruction provided by TechStars by Computer Explorers



#498    Dates:    June 16 - June 20  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 2<sup>nd</sup> - 3<sup>rd</sup>  
Cost:    \$180

#499    Dates:    June 23 - June 27  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 4<sup>th</sup> - 6<sup>th</sup>  
Cost:    \$180

### **VIDEO GAME ANIMATION USING SCRATCH**

Campers dive into the world of video game animation by creating characters that dance, sing and interact with one another. Sound effects and music clips are added to create a dynamic video animation game using Scratch, the innovative programming language created just for kids by the MIT Media Lab. Campers can post their game online so that friends, parents and others can play the video game!. New skills and creative adventures await the Scratch programmer!



Instruction provided by TechStars by Computer Explorers

#501    Dates:    July 21 - July 25  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 4<sup>th</sup> - 6<sup>th</sup>  
Cost:    \$180

### **3D PROGRAMMING: DESIGN, DISCOVER, DREAM**

Using Alice, an innovative 3D programming software you'll design animation for an interactive game, movie or story. This object- oriented program is fun and challenging, as you discover the worlds of computer science and programming by using 3D graphics in a virtual world. Let your imagination soar...if you can dream up a concept, you can design it! Instruction provided by TechStars by Computer Explorers

#513    Dates:    June 16 - June 20  
Times:    9:00 a.m. - Noon  
Grades:    rising 4<sup>th</sup> - 6<sup>th</sup>  
Cost:    \$180

#514    Dates:    July 7 - July 11  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 4<sup>th</sup> - 6<sup>th</sup>  
Cost:    \$180

### **MINING & CRAFTING 1 - NEW**

Explore the world of Minecraft® in our Mining and Crafting Camp! Build and interact with characters and elements from the popular game including Steve, Creeper, Chicken, Pig, Pickaxe, Mincart, Diamond and Apple. Even build a mini Creeper figure to take home at the end of camp! Campers will face new challenges each day, building models and crafting key elements.

Instruction provided by Bricks 4 Kidz.

#515    Dates:    June 23 - June 27  
Times:    9:00 a.m. - Noon  
Grades:    rising 4<sup>th</sup> - 7<sup>th</sup>  
Cost:    \$180

#516    Dates:    July 7 - July 11  
Times:    9:00 a.m. - Noon  
Grades:    rising 4<sup>th</sup> - 7<sup>th</sup>  
Cost:    \$180

### **MINING AND CRAFTING 2 - NEW**

Steve is jumping for joy as he introduces the newest members of his Minecraft® world. Whether or not your child has attended our Mining and Crafting 1 camp, reward them with the creativity and excitement this new camp has to offer. Campers will be challenged to bring their virtual designs to life by building new mob figures, mosaics and custom models that incorporate LEGO® Bricks. So, are you ready for the challenge? No previous experience required.

Instruction provided by Bricks 4 Kidz

#517    Dates:    July 14 - July 18  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 4<sup>th</sup> - 7<sup>th</sup>  
          Cost:     \$180

#518    Dates:    July 21 - July 25  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 4<sup>th</sup> - 7<sup>th</sup>  
          Cost:     \$180

### **MINECRAFT- DESERT ISLAND SURVIVAL - NEW**

Discover, create and learn, as TechStars grants access to a Minecraft world like no other! Learn fundamentals of computer networking through this Minecraft experience that also allows campers and friends to work in multiplayer mode as they mine, craft and build together to survive. Use skills to explore all the secrets the world has to offer, including a mysterious castle filled with challenges. Will you become the ultimate survivor and claim the castle as your own? Instruction provided by TechStars by Computer Explorers



#520    Dates:    June 23 - June 27  
          Times:    1:00 p.m. - 4:00 p.m.  
          Grades:    rising 3<sup>rd</sup> - 5<sup>th</sup>  
          Cost:     \$200

#522    Dates:    July 21 - July 25  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 3<sup>rd</sup> - 5<sup>th</sup>  
          Cost:     \$200

### **ANIMATION & INNOVATION FOR GIRLS!**

Learn innovation and creation by using computer animation programs. Girls will learn how to morph objects, create their own fonts, design animated stories using PowerPoint, animoto, and It's Digital photography slideshows and much more. With this taste of technology, campers will be hungry to use the knowledge both in the classroom and for fun!

Instruction: Shanna Roberts, Guest Instructor

#504    Dates:    July 14 - July 18  
          Times:    1:00 p.m. - 4:00 p.m.  
          Grades:    rising 4<sup>th</sup> - 6<sup>th</sup>  
          Cost:     \$180

#505    Dates:    July 21 - July 25  
          Times:    1:00 p.m. - 4:00 p.m.  
          Grades:    rising 4<sup>th</sup> - 6<sup>th</sup>  
          Cost:     \$180

### **SUMMER TECHNOLOGY CAMP - Taking it to the web!**

The Summer Technology Camp is back for its 16th year, making it our longest running camp! Since its inception, over 800 campers have learned how to design their own web pages and explore various computer-related technologies. This year, campers will create webpages using wikispaces, use digital cameras and scanners, edit digital images and sound, and write music. The websites and all but one piece of software are free! The small camper-to- instructor ratio helps everyone learn quickly and provides the quality of instruction necessary to succeed. On the last day of the program, you will have the opportunity to share your projects with your families and special guests. You are encouraged to bring photos and ideas that you would like to incorporate into your website.



Instructor: Eric Grush, Cary Academy Faculty

#463    Dates:    July 7 - July 11  
          Times:    9:00 a.m. - 4:00 p.m.  
          Grades:    rising 4<sup>th</sup> - 8<sup>th</sup>  
          Cost:     \$360

#464    Dates:    July 14 - July 18  
          Times:    9:00 a.m. - 4:00 p.m.  
          Grades:    rising 4<sup>th</sup> - 8<sup>th</sup>  
          Cost:     \$360

### **KEYBOARDING AND COMPUTER BASICS**

We all like the game "Where's Waldo," but it is a little time-consuming to do this each time you sit down at the computer. How can you keep up with homework and e-mail if you have to hunt and peck your way through a conversation? This camp will familiarize campers with the keyboard through touch typing using Type Pal software. By not looking at your fingers, speed and accuracy will actually increase. Oh, and while you will find it easier to converse with friends, touch typing will also make your homework so much faster and easier! Campers will also learn how to surf the internet safely, find research information quickly and spend time each day on the Top Ten educational websites to help one succeed in school. In addition, campers will how to create fonts, how to search the web, and how to use advanced formatting features in Microsoft Word.

Instructor: Shanna Roberts, Guest Instructor

#467    Dates:    July 14 - July 18  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 4<sup>th</sup> - 6<sup>th</sup>  
          Cost:     \$180

#468    Dates:    July 21 - July 25  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 4<sup>th</sup> - 6<sup>th</sup>  
          Cost:     \$180

### **WEBSITE DESIGN - NEW**

In this camp, campers will use the online website creation tool, Weebly Pro for Education, to create a fanzine (magazine produced by fans) about their favorite things. Camper's fanzine might be about a favorite musician, artist, writer, restaurant or place. Working in teams, campers will create a website to share our thoughts, ideas and creativity with the world about the topic of choice. The fanzine teams will conduct Internet research about their topics, write stories, poems or an essay, collect images, create videos and learn about HTML code as they make the fanzine their own creation.

Instruction provided by TechStars by Computer Explorers

#465    Dates:    June 16 - June 20  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 5<sup>th</sup> - 8<sup>th</sup>  
Cost:    \$180

#466    Dates:    July 21 - July 25  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 5<sup>th</sup> - 8<sup>th</sup>  
Cost:    \$180

### **IMACS HIGH TECH CAMP**

Now in its 12<sup>th</sup> year in the Triangle, the Institute for Mathematics and Computer Science (IMACS) offers campers a unique opportunity to explore and expand their intellectual world. Campers are totally immersed in fun- filled academic pursuits such as playing strategic logic games, designing and building electronic devices and even programming computers and virtual robots! Our campers can continue week after week and enroll in even more advanced and exciting activities. No other summer program will have such a lasting and advantageous effect on your child's intellectual development. Below is a description of each course available at the IMACS High Tech Camp:



**LOGIC PUZZLES** - Challenging mysteries of pure logic presented in compelling stories. Painstakingly designed, this camp leads campers through elementary deductive reasoning to skills that exceed those of most college graduates. Team logic games, exciting tournaments, and, as in every IMACS camp, there will be new challenges each week!

**ELECTRONICS** - These camps introduce campers to the exciting world of electronics. Campers will learn about electrical components such as resistors, diodes, LEDs, capacitors, transistors and integrated circuits and use them to design and construct fun projects. Camps are tailored according to age and ability so that you are able to advance as far as your interests and abilities allow. Campers may keep the electronic devices they build.

**COMPUTER ENRICHMENT AND VIRTUAL ROBOTICS** - You don't merely use the computer in this camp; you write computer programs! Using the programming language LOGO, developed at MIT, campers will be challenged by projects designed by the IMACS Curriculum Development Group. With individualized guidance, campers will develop basic programming and problem- solving skills. You will also be able to apply these skills in the IMACS Virtual Robotics Lab, where programmable, configurable robots exist in a virtual world containing the physical realities of friction, acceleration, and conservation of momentum.

**COMPUTER SCIENCE** - Campers will pursue an academic, university level computer science course. The IMACS curriculum has been used in prestigious programs such as Duke University's Talent Identification Program and John Hopkins University's Center for Talented Youth. Campers will work with interactive tools available only at IMACS and be taught by highly qualified and trained professionals. This camp goes well beyond a traditional introductory course by introducing advanced concepts such as recursion, functional programming, object-oriented programming and artificial intelligence. Contact IMACS prior to registration to find out if this class is appropriate for your child at 919.786.0246 or [ncinfo@imacs.org](mailto:ncinfo@imacs.org).



### **IMACS FULL DAY CAMPS**

Campers participate in all three IMACS academic programs: Logic Puzzles, Electronics and Computer Enrichment/Virtual Robotics (Computer Science may be substituted for Computer Enrichment with prior approval from IMACS). Full day campers spend two hours a day in each of the three classes. Campers may attend multiple weeks as new information is presented weekly. Sessions do not need to be consecutive.

#850    Dates:    July 7 - July 11  
Times:    9:00 a.m. - 4:00 p.m.  
Grades:    rising 3<sup>rd</sup> - 4<sup>th</sup>  
Cost:    \$ 405

#851    Dates:    July 7 - July 11  
Times:    9:00 a.m. - 4:00 p.m.  
Grades:    rising 5<sup>th</sup> - 6<sup>th</sup>  
Cost:    \$ 405

#853    Dates:    July 14 - July 18  
Times:    9:00 a.m. - 4:00 p.m.  
Grades:    rising 3<sup>rd</sup> - 4<sup>th</sup>  
Cost:    \$ 405

#854    Dates:    July 14 - July 18  
Times:    9:00 a.m. - 4:00 p.m.  
Grades:    rising 5<sup>th</sup> - 6<sup>th</sup>  
Cost:    \$ 405

#856    Dates:    July 21 - July 25  
Times:    9:00 a.m. - 4:00 p.m.  
Grades:    rising 3<sup>rd</sup> - 4<sup>th</sup>  
Cost:    \$ 405

#857    Dates:    July 21 - July 25  
Times:    9:00 a.m. - 4:00 p.m.  
Grades:    rising 5<sup>th</sup> - 6<sup>th</sup>  
Cost:    \$ 405

### IMACS HALF DAY CAMPS

Campers participate in 2 hours of Logic Puzzles and 1 hour of Computer Enrichment and Virtual Robotics.

#859 Dates: July 7 - July 11  
Times: 9:00 a.m. - Noon  
Grades: rising 3<sup>rd</sup> - 4<sup>th</sup>  
Cost: \$235

#860 Dates: July 14 - July 18  
Times: 9:00 a.m. - Noon  
Grades: rising 3<sup>rd</sup> - 4<sup>th</sup>  
Cost: \$235

#861 Dates: July 21 - July 25  
Times: 9:00 a.m. - Noon  
Grades: rising 3<sup>rd</sup> - 4<sup>th</sup>  
Cost: \$235

### IMACS HALF DAY CAMPS (Cont.)

Campers participate in 2 hours of Computer Enrichment and Virtual Robotics (Computer Science may be substituted for Computer Enrichment with prior approval from IMACS) and 1 hour of Electronics.

#862 Dates: July 7 - July 11  
Times: 9:00 a.m. - Noon  
Grades: rising 5<sup>th</sup> - 8<sup>th</sup>  
Cost: \$235

#863 Dates: July 14 - July 18  
Times: 9:00 a.m. - Noon  
Grades: rising 5<sup>th</sup> - 8<sup>th</sup>  
Cost: \$235

#864 Dates: July 21 - July 25  
Times: 9:00 a.m. - Noon  
Grades: rising 5<sup>th</sup> - 8<sup>th</sup>  
Cost: \$235

Campers participate in 1 hour of Computer Enrichment and Virtual Robotics and 2 hours of Electronics.

#865 Dates: July 7 - July 11  
Times: 1:00 p.m. - 4:00 p.m.  
Grades: rising 3<sup>rd</sup> - 5<sup>th</sup>  
Cost: \$235

#866 Dates: July 14 - July 18  
Times: 1:00 p.m. - 4:00 p.m.  
Grades: rising 3<sup>rd</sup> - 5<sup>th</sup>  
Cost: \$235

#867 Dates: July 21 - July 25  
Times: 1:00 p.m. - 4:00 p.m.  
Grades: rising 3<sup>rd</sup> - 5<sup>th</sup>  
Cost: \$235

Campers participate in 1 hour of Electronics and 2 hours of Logic Puzzles.

#868 Dates: July 7 - July 11  
Times: 1:00 p.m. - 4:00 p.m.  
Grades: rising 5<sup>th</sup> - 7<sup>th</sup>  
Cost: \$235

#869 Dates: July 14 - July 18  
Times: 1:00 p.m. - 4:00 p.m.  
Grades: rising 5<sup>th</sup> - 7<sup>th</sup>  
Cost: \$235

#870 Dates: July 21 - July 25  
Times: 1:00 p.m. - 4:00 p.m.  
Grades: rising 5<sup>th</sup> - 7<sup>th</sup>  
Cost: \$235

### CHI CHALLENGE CAMP - NEW

Let the legend be told that in the land of Chima®, only the brave survive. Eight animal tribes battle in pursuit of CHI, the balance of life. Campers will have the opportunity to choose their tribe, while building and battling for victory. Put your Chima® skills to the test throughout this camp, by racing Speedorz® and building motorized models with LEGO® Bricks. Does your tribe have what it takes to become the ultimate master of CHI? Your destiny awaits!

Instruction provided by Bricks 4 Kidz

#507 Dates: July 7 - July 11  
Times: 9:00 a.m. - Noon  
Grades: rising 4<sup>th</sup> - 6<sup>th</sup>  
Cost: \$180

### TECH XPLORATION

This unique camp is designed to excite and inspire young minds as campers explore various technologies throughout the week. Working in pairs or small groups, campers will explore LEGO® Engineering, LEGO® WeDO® Robotics, LEGO® Stop-Motion Movie and Animations and much more! Through the use of basic motors, sensors, programming tools, stop motion animation and SCRATH, the possibilities are endless. Throughout the week campers will have the opportunity to engineer building systems, and build models, machines, and animals which are programmed using motors and sensors and simple programming tools. Campers will also be introduced to Stop- Motion Movie and Animations and will be introduced to computer programming to create animations and interactive stories. Campers are sure to enjoy this week of exploration as they are introduced to many different technologies. Instruction provided by BounceU

#491 Dates: June 23 - June 27  
Times: 1:00 p.m. - 4:00 p.m.  
Grades: rising 3<sup>rd</sup> - 6<sup>th</sup>  
Cost: \$180

#493 Dates: July 21 - July 25  
Times: 1:00 p.m. - 4:00 p.m.  
Grades: rising 3<sup>rd</sup> - 6<sup>th</sup>  
Cost: \$180

# SPORTS & FITNESS

## CARY ACADEMY YOUTH BASKETBALL CLINIC

This camp is designed to teach basic basketball skills including shooting, ball handling, passing, defense and game situations. Grab your shoes and join the fun as you have the chance to work with a former Olympic basketball player. Coach: Mindaugas Timinskas

#629    Dates:    July 7 - July 11  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
Cost:    \$170

#630    Dates:    July 14 - July 18  
Times:    9:00 a.m. - Noon  
Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
Cost:    \$170

## COSTA SOCCER CAMP

All the fundamentals of soccer including dribbling, passing, shooting, heading, and receiving will be taught at this camp. Scrimmaging will be part of each camp week. Goalkeepers will receive specialized training. Each player should bring the following to camp daily: inflated soccer ball, cleats, non- scuff athletic shoes (for time indoors) and shin guards. Campers will be divided by age and ability and grouped accordingly.

Coach: Jeff Costa, Cary Academy Coach

#600    Dates:    June 23 - June 27  
Times:    9:00 a.m. - Noon  
Grades:    rising 3<sup>rd</sup> - 5<sup>th</sup>  
Cost:    \$170

#602    Dates:    July 21 - July 25  
Times:    9:00 a.m. - Noon  
Grades:    rising 3<sup>rd</sup> - 5<sup>th</sup>  
Cost:    \$170

## GOLF SQUAD - NEW

Golf Squad Summer Camps are instructed by golf industry professionals only. A Golf Squad Summer Camp Handbook, visor, and water bottle are given to each camper. **All training equipment and clubs are provided along with snacks and drinks.** Campers work together to learn about golf etiquette, vocabulary, rules, golf history, and, of course, the technical skills of golf. These subjects, in addition to learning physical swing techniques, practice drills, and summer camp-specific golf games, allow the camper to follow up with the learning long after the camp has ended. Simply show up and enjoy building a golf foundation that will be with your child for a lifetime!

Instruction provided by Golf Squad

#608    Dates:    July 21 - July 25  
Times:    9:00 a.m. - Noon  
Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
Cost:    \$ 290



## TRIANGLE TENNIS ACADEMY

Triangle Tennis Academy is excited to continue offering half day and full day tennis camps at Cary Academy. This summer, the camps will be run by PTR- and USPTA- certified tennis coaches. During these programs, light conditioning and movement exercises are combined with skill development and on- court strategy for a great tennis experience. In addition, campers will be grouped in the following categories - beginner, intermediate and advanced - with each set of courts designated as a different skill level. Instructors will do their best to keep the younger campers together in the same program and conduct skill evaluations on the first day of camp.

Coaches provided by Triangle Tennis Academy

## FULL DAY PROGRAMS

#618    Dates:    June 16 - June 20  
Times:    9:00 a.m. - 4:00 p.m.  
Grades:    rising 3<sup>rd</sup> - 8<sup>th</sup>  
Cost:    \$ 300

#619    Dates:    June 23 - June 27  
Times:    9:00 a.m. - 4:00 p.m.  
Grades:    rising 3<sup>rd</sup> - 8<sup>th</sup>  
Cost:    \$ 300

#620    Dates:    July 7 - July 11  
Times:    9:00 a.m. - 4:00 p.m.  
Grades:    rising 3<sup>rd</sup> - 8<sup>th</sup>  
Cost:    \$ 300

#621    Dates:    July 14 - July 18  
Times:    9:00 a.m. - 4:00 p.m.  
Grades:    rising 3<sup>rd</sup> - 8<sup>th</sup>  
Cost:    \$ 300

## HALF DAY PROGRAMS

#622    Dates:    June 16 - June 20  
Times:    9:00 a.m. - Noon  
Grades:    rising 3<sup>rd</sup> - 8<sup>th</sup>  
Cost:    \$ 170

#623    Dates:    June 23 - June 27  
Times:    9:00 a.m. - Noon  
Grades:    rising 3<sup>rd</sup> - 8<sup>th</sup>  
Cost:    \$ 170

#624    Dates:    July 7 - July 11  
Times:    9:00 a.m. - Noon  
Grades:    rising 3<sup>rd</sup> - 8<sup>th</sup>  
Cost:    \$ 170

#625    Dates:    July 14 - July 18  
Times:    9:00 a.m. - Noon  
Grades:    rising 3<sup>rd</sup> - 8<sup>th</sup>  
Cost:    \$ 170

## SPORTS & FITNESS (Cont.)

### EN GARDE! OLYMPIC FENCING

En Garde! Olympic Fencing camp is a fast-paced and exciting adventure into the sport of Olympic Fencing. Fencing is the ultimate sport requiring coordination, concentration, agility, skill, and brainpower! Campers that are drawn to fencing love a challenge that involves both the mind and the body. The camp's approach to teaching introduces the sport by integrating coordination games, fencing-specific games, and fencing bouts to give each camper a basic understanding of the sport as well as have a lot of FUN! Safety is heavily emphasized and equipment is provided. Athletic shoes are required.



Instructor: Jeffrey Kallio, Midsouth Fencing Club

#610    Dates:    June 16 - June 20  
          Times:    1:00 p.m. - 4:00 p.m.  
          Grades:    rising 5<sup>th</sup> - 8<sup>th</sup>  
          Cost:     \$180

#611    Dates:    July 21 - July 25  
          Times:    1:00 p.m. - 4:00 p.m.  
          Grades:    rising 5<sup>th</sup> - 8<sup>th</sup>  
          Cost:     \$180

### EN GARDE! OLYMPIC FENCING

En Garde! Olympic Fencing camp is a fast-paced and exciting adventure into the sport of Olympic Fencing. Fencing is the ultimate sport requiring coordination, concentration, agility, skill, and brainpower! Campers that are drawn to fencing love a challenge that involves both the mind and the body. The camp's approach to teaching introduces the sport by integrating coordination games, fencing specific games, and fencing bouts to give each camper a basic understanding of the sport as well as having a lot of FUN! Safety is heavily emphasized and equipment is provided. Athletic shoes are required.

Instructor: Jeffrey Kallio, Midsouth Fencing Club

#612    Dates:    June 16 - June 20  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
          Cost:     \$180

#613    Dates:    July 21 - July 25  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
          Cost:     \$180

## SPECIALTY

### CHESS - ALL LEVELS

This camp offers chess players of all level the opportunity to learn at a self-paced speed. Your skills will be identified quickly and your level of work and play will be based on your level. You will be placed into different groups based on chess experience and ability. This camp offers opportunities for both those who are looking to advance into serious competition and those who just want to learn the game for fun. Instructor: Craig Jones



#721    Dates:    June 16 - June 20  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 2<sup>nd</sup> - 6<sup>th</sup>  
          Cost:     \$180

#722    Dates:    June 16 - June 20  
          Times:    1:00 p.m. - 4:00 p.m.  
          Grades:    rising 4<sup>th</sup> - 8<sup>th</sup>  
          Cost:     \$180

#723    Dates:    July 14 - July 18  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 2<sup>nd</sup> - 6<sup>th</sup>  
          Cost:     \$180

### FOOD AND FILM (All new films for 2014)

Join us for a feast for your eyes and your belly! We'll watch cinema classics and make recipes associated with the movie. Join Mr. Fox on his adventures Fantastic Mr. Fox (2009) and make chicken soup. Watch Wall-E's antics and then making a sandwich that looks just like him. Take flight with Spirited Away (2001) and make a tasty noodle dish. Be swept away by Up (2009) and make and decorate balloon cookies. Finally, we'll watch Matilda (1996) and enjoy Mrs. Trunchbull's chocolate cake! Instructor: Meredith Stewart, Cary Academy Faculty

#702    Dates:    July 14 - July 18  
          Times:    1:00 p.m. - 4:00 p.m.  
          Grades:    rising 5<sup>th</sup> - 9<sup>th</sup>  
          Cost:     \$180

### EXTREME EXPEDITIONS - NEW

Form a team to face the challenge of our extreme expedition camp. Search the globe for bricks and other resources needed to construct a base in the Himalayan Mountains and complete your expedition. Encounter worst-case scenario survival challenges, face forces of nature, and construct transportation equipment to bring your team together from around the globe. Do you have what it takes to face extreme brick adventures? Instruction provided by Bricks 4 Kidz

#704    Dates:    July 14 - July 18  
          Times:    1:00 p.m. - 4:00 p.m.  
          Grades:    rising 3<sup>rd</sup> - 5<sup>th</sup>  
          Cost:     \$180

### **OUTDOOR SURVIVAL SKILLS**

Reading a map, building a fire and creating a shelter - these are all necessary skills if you ever get lost and stranded in the woods! Join this camp and learn the ins and outs of the great outdoors including navigation through unknown areas using GPS, setting up a campground, cooking outdoors, and finding clean drinking water. Get ready to roast marshmallows, tell some ghost stories and just try to survive the day in the wild. It's Survivor Man for campers and you are the star!

Instructor: Adam Rothrock, CraZBrain



#705    Dates:    June 16 - June 20  
Times:    9:00 a.m. - Noon  
Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
Cost:    \$180

#706    Dates:    June 23 - June 27  
Times:    9:00 a.m. - Noon  
Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
Cost:    \$180

### **VETS IN TRAINING**

Do you love animals? Do you feel passionate about protecting and caring for them? Have you dreamed about becoming a veterinarian? Come join us for Vets in Training camp, where campers will explore the veterinary world. Campers will take a field trip, host a visit from the SPCA and a veterinarian, perform check-ups on Sammy the Goldendoodle and Macy the Maltipoo, learn about the animal kingdom, discuss the different kinds of vets and educational requirements, create arts and crafts, apply first aid to injured stuffed animals, play games, and make new friends!



#725    Dates:    June 23 - June 27  
Times:    9:00 a.m. - 4:00 p.m.  
Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
Cost:    \$360

#719    Dates:    July 14- July 18  
Times:    9:00 a.m. - 4:00 p.m.  
Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
Cost:    \$360

### **MINUTE TO WIN IT TEAM BUILDING - NEW**

Navigating the world of elementary school and developing the confidence and competence to speak up, express your feelings and successfully work in groups is a huge challenge. This camp will develop your self-confidence through fun and engaging small group "Minute to Win It" type challenges that teach the benefits of teamwork and collaboration. Activities will include building a tower blind-folded, untangling human webs, running group relay races with a twist, solving mystery mazes without falling into the "lava", and so much more. It's time to develop the communication skills, self-esteem, and core competence through fun and games in a group setting to make the way up the educational ladder.

Instructor: Adam Rothrock, CraZBrain

#707    Dates:    July 14 - July 18  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
Cost:    \$180

### **GIRLS JUST WANNA HAVE FUN! - NEW**

Girls, bring a friend and prepare to have a blast as we design and build your dream home complete with landscaping! In this camp, campers will design a room based on the latest trends ensuring that designs are built to scale. Campers will use a variety of materials to design, build and create beautiful masterpieces. Awards will be given to the most imaginative and the most proportional creations. This camp will provide both individualized instruction as well as introduce the camper to advanced concepts including scaling, fractions, proportionality, surface area and volume. Campers will be assessed and spend time following an individualized program for the week.

Instruction provided by Mathnasium

#710    Dates:    July 21 - July 25  
Times:    9:00 a.m. - 4:00 p.m.  
Grades:    rising 3<sup>rd</sup> - 6<sup>th</sup>  
Cost:    \$360

### **SUPER HERO ACADEMY**

Join Bricks 4 Kidz® for a week building Super Heroes with LEGO® Bricks. Explore all the caped crusaders and discover their super powers. Create a fantasy world and protect it against all the evil arch enemies with custom contraptions made with LEGO® Bricks. At the end of the week, all SUPER HERO CAMPERS will go home with a custom mini figure!

Instructor provided by Bricks 4 Kidz

#711    Dates:    July 7 - July 11  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 3<sup>rd</sup> - 6<sup>th</sup>  
Cost:    \$180

### **RACEWAY CONSTRUCTION - NEW**

In this 3D construction class, campers design and build the craziest raceway tracks that are able to race the fastest Hot Wheels race cars and Mighty Beanz. Bring your favorite and fastest cars and Mighty Beanz to camp and get ready to compete in the most exciting races of the summer! There will be lots of races and prizes each day for the fastest and luckiest of the racers. Campers will bring home their own raceway that has been built so the fun can continue all year long.

Instructor: Eddie Chin, Cary School of Creative Arts

#712    Dates:    July 7 - July 11  
Times:    1:00 p.m. - 4:00 p.m.  
Grades    rising 3<sup>rd</sup> - 7<sup>th</sup>  
Cost:    \$180

### **YOU ARE A SOCIAL DETECTIVE!**

Friendships are fun and rewarding, but when conflicts arise it can be difficult to handle them and keep your cool. Based on the award winning social-thinking curriculum by Michelle Garcia Winner, this class will help campers learn to solve their conflicts in a fun and engaging way. Using a comic book as our guide, we will become social detectives, gather social clues and resolve problems while having lots of fun along the way. Campers will enjoy rewriting social stories to give characters "do-overs," playing cooperative games, role-playing, practicing empathy, and learning to build and maintain their friendships. Instruction provided by Success4School

#717    Dates:    July 21 - July 25  
Times:    9:00 a.m. - Noon  
Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
Cost:    \$225

### **HAVING OUR SAY - NEW**

Join me in a conversation about diversity and social issues as we learn about what makes us uniquely different and wonderfully made. As 21st century learners, it is important to become flexible and critical thinkers, self-directed lifelong learners, visionary leaders, and collaborative communicators. On this journey, campers will discuss the idea of "beauty," discredit stereotypes, put an end to bullying, and learn to appreciate the people we are today! Through exploration, performances, collaboration, technology, and small and large group conversations, campers will be able to voice their opinions as well as learn from the experiences of others. If you have been waiting for a time when talking in camp is encouraged and being an individual is appreciated...this is the camp for you!

Instructor: Charon Williams, Raleigh Tutoring

#715    Dates:    June 16 - June 20  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 3<sup>rd</sup> - 5<sup>th</sup>  
Cost:    \$180

## **ENRICHMENT**

### **CAREER-ORIENTED EMERGING MIDDLE SCHOOL LEADERS - NEW**

In this premier leadership camp, activate the path to high school and career readiness by gaining knowledge about interests and strengths as well as understanding how those interests and strengths relate to different careers. Campers will take home leadership, organizational and time management strategies that will help capitalize on their strengths and plan for success in school, career and life.

Campers will learn how to turn middle school challenges into the best assets by working in a unique team atmosphere. Campers will use the buddy system to show that everyone has obstacles, and together we can take charge in pressured situations. Campers will learn to use the personality strengths as a benefit to effectively lead your peers. The group work creates a special bond that generates the confidence to face a combination of challenges and sets the stage for high school preparation that is vital at this age. Throughout the week, campers will generate "My Middle School Plan", and in the last two hours of day 5, they will present those plans to each other. Free parent information session is included. Time and date will be announced during camp.

Instructor: Divya Parekh, The DP Group

#904    Dates:    July 14 - July 18  
Times:    9:00 a.m. - Noon  
Grades:    rising 5<sup>th</sup> - 8<sup>th</sup>  
Cost:    \$185

### **MIDDLE SCHOOL - PRE- ALGEBRA/ ALGEBRA - NEW**

Master the foundational skills of Pre- Algebra and Algebra I and engage in team problem solving. Topics will include: proportions, percents, integer operations, rational numbers, solving equations, graphs and lines. Campers will also work on advanced problem-solving.

Instructors: Brian VanHoff & Sarah Spencer, Mathnasium

#911    Dates:    July 14 - July 18  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 5<sup>th</sup> - 8<sup>th</sup>  
Cost:    \$185

### **MULTIPLICATION MADNESS**

This fun-filled week is designed to help you master your multiplication tables through hands-on games, manipulatives and the use of the Mathnasium Method. Activities include multiplication bingo, card games, around the world, and more. Campers will work at their own pace and level of work ranging from development of multiplication facts to word problems. Campers will be placed in groups based on assessments. Instruction provided by Mathnasium



#915    Dates:    July 7 - July 11  
Times:    9:00 a.m. - Noon  
Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
Cost:    \$185

### **DIVIDE AND CONQUER/FUN WITH FRACTIONS**

This camp focuses on developing fluency in division and fractions by understanding "equal groups" and "equal parts". The group will work on mastery facts and the process as well as developing mental math to tackle division. Campers will be assessed on the first day and follow an individualized program for the week allowing them to maximize their accomplishments. This camp will incorporate games such as Around the World and Math Olympics. Campers will be placed in groups based on assessments. Instruction provided by Mathnasium

#917    Dates:    July 7 - July 11  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
Cost:    \$185

### **MATH REVIEW WITH KHAN ACADEMY**

Do you need a math refresher before school starts? Do you have some areas in math that you know are weak and have kept you from success? Or do you just LOVE math and want to have the opportunity to work ahead and explore at your own pace? Khan Academy is a fun, discrete self-paced learning environment for all abilities. This camp will focus on topic and grade level specific skills that will get you ready for next year. Khan Academy's data driven interface allows you an opportunity to practice, master and move on with one-on-one guidance. Work with an upper school math teacher experienced in using Khan Academy with students. You KHAN do it!

Instructor: Sue Tombes, Cary Academy Faculty

#962    Dates:    July 14 - July 18  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 5<sup>th</sup> - 8<sup>th</sup>  
Cost:    \$ 180

#963    Dates:    July 21 - July 25  
Times:    1:00 p.m. - 4:00 p.m.  
Grades:    rising 5<sup>th</sup> - 8<sup>th</sup>  
Cost:    \$ 180

## ENRICHMENT (Cont.)

### **THE MATH BRAIN: A MATH CAMP - NEW**

Campers who may have math fear or struggle with math will build confidence, skills, and have fun in this math-focused camp. The activities are hands-on, and take math to a different place. The goal is to infuse a love of math or develop an appreciation of it. Learn math tricks and work in groups to grow in math skills and problem-solving challenges. Students will be able to solve problems in new ways. The techniques used in this camp improve concentration, focus, and attention as well.

Instruction provided by Success4School

#919    Dates:    June 16 - June 20  
          Times:    1:00 p.m. - 4:00 p.m.  
          Grades:    rising 4<sup>th</sup> - 6<sup>th</sup>  
          Cost:     \$185

#920    Dates:    July 21 - July 25  
          Times:    1:00 p.m. - 4:00 p.m.  
          Grades:    rising 4<sup>th</sup> - 6<sup>th</sup>  
          Cost:     \$185

### **WRITE MY WAY**

Are you struggling with writing or reluctant to write- ...maybe you haven't found the love of writing you had hoped for? You will love this camp filled with fun themes and activities infused with powerful writing strategies- you won't believe how much you will learn! Writing activities are hands-on and include genres from journals to comic book writing that are sure to inspire the craft of and passion for writing a child is yearning, and a confidence in writing parents are longing for as well! Different themes each week mean a camper can enroll in multiple weeks without getting bored!

Instruction provided by Success4School

#924    Dates:    July 21 - July 25  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 4<sup>th</sup> - 6<sup>th</sup>  
          Cost:     \$185

### **WRITING AROUND THE WORLD: PREDATORS OF AUSTRALIA - NEW**

Look out! The continent of Australia is home to some of the most fascinating and dangerous creatures on Earth. On this adventure, the group will travel to Australia to read and write about carnivorous crocodiles, shocking sharks, and spine-chilling spiders. We'll even take a quick trip north to Komodo Island to meet some Komodo Dragons! Campers will complete at least four theme-based pieces from various genres that have been taken completely through the writing process (planning, drafting, revising, editing, and publishing), with a focus on organization and elaboration. This is a great camp for both eager and not-so-eager writers! A fun, creative, low-pressure environment with an enthusiastic teacher helps young authors find their voices.

Instructor: Casey Izzet, Guest Instructor

#937    Dates:    June 23 - June 27  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
          Cost:     \$180

### **WRITE IT RIGHT**

Let our hands-on activities and specific corrective writing techniques aid your camper in learning how to write the standard five paragraph essay. Campers will also explore some creative writing techniques for narratives to break initiation blues; students will be modeled fantastic leads and endings inspired by young adult authors and picture book writers. Tools like NoodleTools or other on-line citation engines will also be used to model explicitly HOW to properly cite sources. This camp is for campers who may struggle with writing, may be reluctant to write, or may need brushing up.

Instruction provided by Success4School

#925    Dates:    June 16 - June 20  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 5<sup>th</sup> - 8<sup>th</sup>  
          Cost:     \$185

#926    Dates:    July 21 - July 25  
          Times:    9:00 a.m. - Noon  
          Grades:    rising 5<sup>th</sup> - 8<sup>th</sup>  
          Cost:     \$185

### **SUPERHEROES AND CARTOONS: WRITING CAMP**

Many people equate comic books with the superhero genre or dismiss them as kiddie fare but in fact, comics are not a genre but a medium of expression like movies or prose. They can communicate a wealth of ideas and emotions spanning all genres. If you want to write mysteries, science fiction, autobiography, or even surrealist montages, you can do it in comic book form. Stories can be verbose or wordless, serialized or self-contained, funny or tragic, color or black and white. In this camp, campers will concentrate on writing for linear, narrative comic books and learn ALL the elements of fiction. Campers will learn about conflict, resolution, and character development as they learn to create and develop their own super hero and make him/her come to life in a comic strip! Campers draft their character, bring it to life, and then write the story of the hero in his/her own adventure using technology and hand drawn illustration blocks.

Instruction provided by Success4School

#928    Dates:    July 21 - July 25  
          Times:    1:00 p.m. - 4:00 p.m.  
          Grades:    rising 2<sup>nd</sup> - 5<sup>th</sup>  
          Cost:     \$185