



Advancing Piano

NEW!

Instructor: Family Piano Academy

Travel behind the notes on the page and find yourself in the mind of the composer! Identify the fundamental building blocks that create all music, and voila! playing the piano and creating your own pieces will make more sense to you than ever before. Journey at your own speed while your instructor and DiamondPiano.com's library of 1,000+ videos, prescriptive tests, and progressive music theory video games guide you. Jam on a favorite pop song with your friends in a concert at the end of the week. Make DiamondPiano.com home with you. Keep your piano adventure going through the rest of the summer. Campers should have six months to 5 years prior piano experience.

Grades

#34207A

Dates: June 18 - 22
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 5th
Cost: \$195

#54203

Dates: July 18 - 22
Times: 8:30 a.m. - 1:30 p.m.
Grades: Rising 4th - 5th
Cost: \$195



All Avengers Artist Studio



American Doll

Instructor: Cary School of Creative Arts

It is up to Iron Man, Captain America, Thor, and Hulk to stop Ultron and up to you to learn how to draw each of the great superheroes from this hit movie in amazing detail. Make movie poster-sized images of all of these characters as well as your own comic book stories featuring these heroes. Once we learn the animator's tricks to drawing the characters, we can create our own adventure stories again and again. There is no previous drawing experience required to become a superhero artist.

#24206A

Dates: June 20 - June 24
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 5th
Cost: \$195

Instructor: Cary School of Creative Arts

Spend a week with your best doll friend making accessories and artwork for her and you! Explore the stories of popular historic American Girl Dolls by making period-themed crafts including a keepsake box, journal, photo frame, clothing, and accessories. Bring your 18" doll and her picture to share in the fun throughout the week. Enjoy tea party and fashion show with music and snacks at the end of camp.

#54207A

Dates: July 18 - 22
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 5th
Cost: \$195





ADVENTURE



Life of a Pirate

NEW!

Instructor: CraZBrain

Ever wondered what it would be like to live like a pirate? Here's your chance to search for treasure, build your own cannons, design your own fishing pole, and create your own ship to haul away your gold. You will even build a treasure chest. Learn some basic engineering, simple physics, and problem solving skills as you sail the mighty seas. Be ready to sail the open seas during a week of fantastic adventures! Arrr!!

#14605A

Dates: June 19 - 23

Times: 8:30 a.m. - Noon

Grades: Rising 4th - 6th

Cost: \$195



Off the Grid

NEW!

Instructor: Bonnye Talbot

Pull on your hiking boots, pick up that backpack, put down that cell phone, and follow us into the woods! Learn to pick out the best gear and make your own gear for a short or long term trip, read maps, pick out and make a shelter, make fire, clean your water, and the discover principles of Leave No Trace. Take a field trip to a local camping store to talk about camping preparedness and great local hikes. Campers will put their new skills to the test in an overnight camping trip to Umstead Park. S'mores and dinner will be provided, however campers must provide their own sleeping bag and cover (tent, hammock, or sleep out in the open!).

#14606P

Dates: June 19 - 23

Times: 1:00 p.m. - 4:30 p.m.

Grades: Rising 4th - 6th

Cost: \$240

The overnight camping trip will take place on Friday night and pick up will be Saturday morning, at Cary Academy at 9:00 a.m.



CREATIVE & PERFORMING ARTS



Anime Artist Studio

Instructor: Cary School of Creative Arts

Ready, set, draw! The amazing art of Anime and Manga come to life in our studio. Learn basic animation techniques such as creating multiple cells, 1, 2 and 3 point perspective drawing, figure drawing, and how to draw perfect facial expressions in anime style. Learn to write and create your own Manga stories with real characters, fantasy heroes, and amazing locations that are so awesome.

#34203A

Dates: July 10 - 14

Times: 8:30 a.m. - Noon

Grades: Rising 4th - 6th

Cost: \$195





Art of the American Indians

NEW!

Instructor: Johanna New

From the frigid north to the hot, sweltering desert, investigate the life and art of our Native American Indians. Native Americans used items found in nature to make creative jewelry, baskets, paintings, masks, weaving and many other creative arts. Have fun learning basic skills and creating handmade treasures including basket making, beading, using softwood to carve a totem pole, and making a beautiful dream catcher. Campers will take home finished work at the end of the week.

#44256A

Dates: July 17 - 21
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$195



Beginning Guitar

Instructor: Cary School of Creative Arts

Pick up your guitar and learn how to make it rock! This is the perfect introductory camp for those with no prior guitar experience. We will learn basic left and right hand technique, rhythms, beginning chords, reading tabs, playing by ear, and composing original songs. At the end of the week, we will have a jam session to show off what we learned to friends and family. Campers should provide their own guitar, either electric or acoustic.

#54206P

Dates: July 24 - 28
Times: 1:00 p.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$195



Beginning Piano

Instructor: Cary School of Creative Arts

Let your fingers do the talking in this camp for brand new players. We will learn to read notes on the G Clef and F clef, count rhythms and begin to understand the language of music. Campers will also gain some confidence in their first week learning to play some famous songs like Ode to Joy, Fur Elise and theme songs from films like Harry Potter and Star Wars. No experience is necessary to have an amazingly musical week. Campers are welcome to invite friends and family to their first concert at the end of the week.

#34207A

Dates: July 10 - 14
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$195



Canine Couture

NEW!

Instructor: Blue Monarch Art Center

Keep your furry friends in style with their very own couture dog jacket and matching treat bag. Learn basic sewing skills or refresh the ones you have while working with an assortment of fun fabrics from flannel to fleece, and patterned to plain. Personalize with an array of embellishments such as buttons, gems, trims, and fringe. All camp participants will receive a gift bag of delicious organic canine treats to take home for their four legged friend. Additionally, campers will have the opportunity to help our local Humane Society by making a small comfort blanket for dogs in transition.

#14212P

Dates: June 19 - 23
Times: 1:00 p.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$195

#54212A

Dates: July 24 - 28
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$195



Create Mixed Media Art

NEW!

Instructor: Blue Monarch Art Center

Stretch your visual expression as you experiment in drawing, painting, printmaking, collage, and mixed media. Elements of design and classic works of art will be discussed. Work on paper, canvas board and stretched canvas to create a body of work using acrylic paints, acrylic printing inks, pencil, pastel, and paper. We will host a local guest artist working in the field of mixed media. The end of the week will culminate with an art show of student work.

#14213A

Dates: June 19 - 23
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$195



Creative Sewing

NEW!

Instructor: Blue Monarch Art Center

Learn basic sewing skills, pattern layout, as well as how to measure and match fabrics to create a colorful apron or cross shoulder bag and pillow! Choose from a large array of fabrics and complete your apron, pillow, or purse closure with adorable handmade ceramic buttons in emoji, animal, and character shapes. Sewing machines, scissors, pins/needles, and personalized color board will be used. Take home your custom creation at the end of the week.

#34214A

Dates: July 10 - 14
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$195



Design the Runway **NEW!**

Instructor: Little Scholars

Design your very own fashion line. Learn about fashion portfolios and the challenges of designing one of a kind pieces. Create a fashion portfolio and one of a kind pieces with recyclable goods. Our budding designers will do a runway show at the end of our fashionable week.

#54215F

Dates: July 24 - 28
Times: 8:30 a.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$415



Film Production: Let's Make a Movie

Instructor: Sonorous Road Productions

Write, Shoot, Edit, Perform! Work with a team to produce a short film from start to finish with total creative control. Explore the entire filmmaking process from both behind the lens and in front of the camera. If you've always wanted to try screenwriting, directing, or acting for film, use this opportunity to focus on the area that draws you in most! At the end of the week invite your family and friends for a Hollywood-style premiere where you will show off your movie in front of an audience.

#14216F

Dates: June 19 - 23
Times: 8:30 a.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$390



Garden Art

Instructor: Johanna New

Do you love the outdoors and building things? Decorate your yard with handmade wind chimes and whirligigs. Build a sturdy birdhouse for our feathered friends and a bird feeder to encourage different birds to visit your garden. Paint and decorate a terra cotta pot birdbath. Finally create a mold with found objects and cast it in to a unique stepping stone. Your yard will be an artistic masterpiece.

#64255A

Dates: July 31 - August 4
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$195



Glitter Galore and Fabulous Art

Instructor: Cary School of Creative Arts

The world is more fabulous with sparkles. Art creations overflow with glitter, tie dye shirts, handmade belts, eclectic art collages, bracelets, and painted fingernails. We will create several decorative works of art, perfect for hanging, wearing or giving as gifts. Come prepared for a hands-on, sticky, and glittery week of camp!

#64218P

Dates: July 31 - August 4
Times: 1:00 p.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$195



Irish Dance Story Theater

NEW!

Instructor: Inis Cairde School of Dance

Bring an Irish story to life with dance and pantomime in this creative Irish dance theater camp! Combine basic Irish dancing and drama with the fantastic world of Irish storytelling and spend the week submerged in Irish dance, music, laughter, and self-expression. Learn and practice choreography that tells a story, create costumes to take home, rehearse the telling of the story, and perform it for parents, friends, and siblings on the last day of camp. No previous dancing experience necessary.



Harry Potter Meets Star Wars

Instructor: Cary School of Creative Arts

May the force be with you in this wizarding world! From creating Jedi light sabers to Harry's wand, all things magical and sci-fi abound this week. Create creepy potion bottles to go with our Hogwarts' spell book and an alien space station to land our Millennium Falcon starship.

#14221P

Dates: June 19 - 23
Times: 1:00 p.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$195

#44223A

Dates: July 17 - 21
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$195



Jr. Architects with a Grandparent or Special Friend

NEW!

Instructor: Cary School of Creative Arts

Picture Rome, Athens, New York, or other great cities of the world and their monumental and iconic architecture comes to mind. Campers and their grandparents or special friends will team up to create their own architectural firm in order to build things in 3D: a hockey rink, football stadium, golf course, art gallery, museum, roller coaster theme park, aquarium or whatever else you can fathom! Our grandparents and special friends will be able to add their worldly experience and expertise to help design these new architectural wonders, and add their own special details to the finished pieces. As future architects, learn about perspective drawing and go outdoors to draw the architecture of Cary Academy. For the final project our creative engineering skills will be challenged with the classic "egg drop" project where teams design a device to protect an egg from a 15 foot drop as campers from other summer programs watch the competition and cheer us on!

#44232P

Dates: July 17 - 21

Times: 1:00 p.m. - 4:30 p.m.

Grades: Rising 4th - 6th

Cost: \$195



Jurassic Zoo

Instructor: Cary School of Creative Arts

Please don't feed the animals, this zoo holds Jurassic-sized dinosaurs! We will design our own Jurassic Island Theme Park and Zoo and prove that dinosaurs can be kept as safe pets. Spend the week designing the entire island including the buildings, the theme park rides, and the fences that will hopefully contain your dinosaurs in their designated areas. If you loved the movie, then head through the gates to this adventure!

#44226P

Dates: July 17 - 21

Times: 1:00 p.m. - 4:30 p.m.

Grades: Rising 4th - 6th

Cost: \$195



Kids at the Pottery Wheel

Instructor: Johanna New

Explore all the basics of throwing on the potter's wheel making useful forms including mugs, bowls, plates, and so much more. Learn fun hand-building techniques in this small group camp where you will have access to your own wheel to use throughout the camp. After your pottery is created, you will decorate forms using a variety of colorful slips and glazes. Campers will take home finished work at the end of the week.

#34246P

Dates: July 10 - 14

Times: 1:00 p.m. - 4:30 p.m.

Grades: Rising 4th - 6th

Cost: \$195

#64210P

Dates: July 31 - August 4

Times: 1:00 p.m. - 4:30 p.m.

Grades: Rising 4th - 6th

Cost: \$195



Measure Twice, Cut Once: Woodworking Basics

Instructor: Brian Pugsley

Strap on your tool belt and let's get building! From planning and materials selection to measuring and cutting to the final touches, learn the basics of woodworking as you complete the steps to creating your own masterpiece. Learn about carpentry, carpentry tools, and finishing techniques while building birdhouses, keyring holders, tool boxes, and more! Campers will take home a handmade masterpiece at the end of the week.

#54228P

Dates: July 24 - 28
Times: 1:00 p.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$195



Photography: Life Through the Lens

Instructor: Bonnie Dodwell

Grab your camera and bring the world around you to life through the lens. Learn how to work your camera both on campus and on field trips. Explore photo editing techniques that can make one photo explode into four more. Whether you're drawn to the serious or the silly, all the creativity you need is in your two hands. A camera (point and shoot or DSLR) is required but experience is not.

#54236A

Dates: July 24 - 28
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$195



Monster Drums and Killer Percussion Studio

NEW!

Instructor: Cary School of Creative Arts

Take your passion for percussion to new heights in a fun filled week of creating percussion based music. Try out all kinds of cool drums, cymbals and keyed percussion instruments and learn how to write your own songs. Join the challenge to create your own percussion instruments. Whether you already have some experience playing the drums or are just a beginner, this will be an exciting week with a special performance on the final day.

#24229P

Dates: June 26 - 30
Times: 1:00 p.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$195



Mosaic Design

Instructor: Blue Monarch Art Center

Discover the 4,000 year old art of mosaics! Learn the history of mosaics from around the world as we work with colorful glass and ceramic tile to create fun and colorful mosaic art of your very own. This enjoyable process is for any skill level and uses color, shape and pattern to bring your design idea to life. Original pre-made ceramic tile by Blue Monarch Art Center will also be available for participant's use. Take home your awesome original work of art at the end of the week.

#24230P

Dates: June 26 - 30
Times: 1:00 p.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$195



Pillows, Stuffies, Ruffles, and Ribbons

NEW!

Instructor: Bonnie Dodwell

From hundreds of pieces of fabric, ribbons, lace and thread, create a pillow or pinboard for your room. Work on a wide assortment of stuffy animals, bookmarks and covers, hairbands or whatever you can imagine - all decorated with ribbon, ruffles and fun stitching! Learn the basics of sewing and a variety of hand stitches as you create your own project. Whether you're a complete novice or you have some sewing experience, pick up a needle and thread and let's get to stitchin'.

#24238A

Dates: June 26 - 30

Times: 8:30 a.m. - Noon

Grades: Rising 4th - 6th

Cost: \$195



Songwriter Studio

Instructor: Cary School of Creative Arts

Composing your own music is one of the greatest things about learning to play an instrument; we will help piano and guitar campers easily understand the music theory that makes creating music so exciting. It doesn't matter if you listen to Beethoven, Billy Joel, or Adele; you can learn how to compose the kind of music that you like. Learn about melody lines, chord progressions, song structure, and lyric writing with fun exercises as you work towards composing your first hit single or symphony. Bring in your favorite songs so we can listen to them and learn about what songwriting tricks and techniques were used to make them "music to your ears"!

#54243A

Dates: July 24 - 28

Times: 8:30 a.m. - Noon

Grades: Rising 4th - 6th

Cost: \$195



Squillow Pillows

NEW!

Instructor: Bonnye Talbot

What has 8 squishy arms, 2 plush tentacles, and a softy, plump body? A SQUILLOW PILLOW! Pick out your fabric, learn to set your pattern, cut out your squid shape, and sew your new friend from the tentacles up! At the end of the week, you will have your very own, handmade 3 foot squid-shaped body pillow to hug and play with at home!

#44244A

Dates: July 17 - 21

Times: 8:30 a.m. - Noon

Grades: Rising 4th - 6th

Cost: \$195



Yes And - Comedic Acting and Improv

NEW!

Instructor: Sonorous Road Productions

Collaborate with fellow actors to create an improv comedy troupe! Learn the principles of comedic acting and improv to gain self-confidence, improve public speaking skills, create amazing stories, and support your fellow actors with active listening. Develop your talent as a comedian and improv group member through exercises and techniques taught by professional improv troupes around the world. At the conclusion of the week your newly-formed improv comedy troupe will perform for family and friends!

#24249F

Dates: June 26 - 30

Times: 8:30 a.m. - 4:30 p.m.

Grades: Rising 4th - 6th

Cost: \$390



Cooking Around the Globe

NEW!

Instructor: Blue Monarch Art Center

Take a culinary journey to faraway places and share the exotic flavors of a variety of cuisines. Travel the globe making authentic dishes from North America, South America, Asia and Africa as you hone your culinary skills. Learn the science behind the method in recipes, essential kitchen tools, knife skills, and ingredient choices. Basic chemistry and biology of food reaction will begin to be introduced, such as what makes bread rise or why we choose different temperatures for different foods or methods of cooking. Bon Appetit!

#54301P

Dates: July 24 - 28

Times: 1:00 p.m. - 4:30 p.m.

Grades: Rising 4th - 6th

Cost: \$195



If You Like Cake Boss, Jr.

Instructor: Blue Monarch Art Center

From a simple box cake mix create and decorate a spectacular two tier fondant cake like a pro! Learn the secrets of making delicious fondant from scratch. Learn the foundations of decorating by sculpting, rolling, cutting, pinching, and detailing fondant and gumpaste. Create detailed figures, flowers and embellishments with gumpaste, candy clay, and meringue decorator icing. We will take a field trip to Chef's Academy and do a juried competition on the last day of camp. Camp is held in a commercial kitchen. Participants will receive all recipes used on the last day of camp.

#64306A

Dates: July 31 - August 4

Times: 8:30 a.m. - Noon

Grades: Rising 4th - 6th

Cost: \$195



Handmade Pet Treats

Instructor: Good Grace's

Tails will be wagging and mouths will be watering when you come home from baking handmade dog treats. Learn about dog nutrition, pet-friendly ingredients, and basic baking while putting your skills to work cooking up healthy treats for all of your four-legged friends to enjoy. We will bake Say Cheese! treats, Piggly Wiggles treats, Tumbleweeds treats, and Sumthin' Fishy treats that can be enjoyed by anyone with four legs (or two!). After the first day of baking, campers will take home the flavors they made that day, and at the end of the camp will bring home a variety pack filled with their handmade treats.

#34305P

Dates: July 10 - 14

Times: 1:00 p.m. - 4:30 p.m.

Grades: Rising 4th - 6th

Cost: \$195

#44305P

Dates: July 17 - 21

Times: 1:00 p.m. - 4:30 p.m.

Grades: Rising 4th - 6th

Cost: \$195





Adventures in Spanish

Instructor: Tyler Gavarria

Travel to Mexico through the eyes of Isabella Huffman, a young girl on an adventure in Mexico in the novel *Las Aventuras de Isabella* and experience Latino culture along with the main character. Explore the sights and sounds of Mexico using Google maps, music, dancing and more. Visit a Mexican tienda, panadería and taquería, taste mangos with chile, tostadas, and pan dulce, and make guacamole and frijoles. Te veo pronto (that means "see you soon").

Dates: June 26 - 30

#24307A

Times: 8:30 a.m. - Noon

Grades: Rising 4th - 6th

Cost: \$195



Talk With Your Hands **NEW!**

Instructor: Blair McKinney

Have a conversation without ever using your voice as we spend a week learning American Sign Language. Learn the alphabet, numbers, family signs, household signs, and community signs as we do activities and games. Hear about the important history of American Sign Language and the way it has shaped the world around us and gain a better understanding of the Deaf community. Your family and friends will be invited to join us for a performance of the Star Spangled Banner on the last day of camp.

#54314A

Dates: July 24 - 28

Times: 8:30 a.m. - Noon

Grades: Rising 4th - 6th

Cost: \$195



Pastry Chef Jr.

Instructor: Blue Monarch Art Center

Take your passion for good food and meld it with time-honored culinary techniques like an Executive Pastry Chef. Learn how to follow recipes, measure ingredients, mix properly, and handle culinary tools. Learn to make tarts with shortbread crust, flaky fruit filled pastry, chocolate cherry phyllo triangles, vanilla cream puffs with chocolate sauce, while working in a commercial kitchen. We will take a field trip to *lucettegrace*, a patisserie in the heart of Raleigh owned by one of the country's best pastry chefs. Participants will receive all recipes used on the last day of camp.

#34309A

Dates: July 10 - 14

Times: 8:30 a.m. - Noon

Grades: Rising 4th - 6th

Cost: \$195



The Mysteries of Japan

Instructor: Bonnie Dodwell

Delve into the mysterious traditions of ancient and modern Japanese culture, starting with a visit to the Japan Center at NC State University to learn about the history and customs of the country. Take an interactive look into Japanese culture by learning to make sushi and Kamishibai storyboards, sip on tea in a traditional Japanese Tea Ceremony, show your creative side by designing Ikebana flower arrangements, discover the technicalities of putting on a kimono, or sit back, relax, and watch clips from an anime movie. Campers will present their Kamishibai stories on Friday and take home a portfolio highlighting what they have explored.

#14313A

Dates: June 19 - 23

Times: 8:30 a.m. - Noon

Grades: Rising 4th - 6th

Cost: \$195



Become a Real Author

NEW!

Instructor: Amy Flowers

Have you ever thought of a great character or plot for a story? Create fascinating characters, intriguing settings, and plots that will keep readers engaged. From superhero spine tingling tales to mysterious journeys that lead to out of this world adventures, we will write and illustrate a sensational story. Join us as we take your original ideas and develop them into your first published book.

Dates: June 26 - 30

Times: 1:00 p.m. - 4:30 p.m.

Grades: Rising 4th - 6th

Cost: \$195

#24513P



Triangle Chess

Instructor: Triangle Chess Academy

Checkmate! Learn chess fundamentals and strategies that will enhance learning skills and critical thinking. Campers will be split into groups based on experience to gain confidence. Novice campers will learn chess foundations, board setup, piece movement, and controlling space. More advanced campers will receive tactical training on forks, pins, discoveries, and skewers. We will hold a tournament of champions at the end of the week to test our newly acquired skills.

#54501A

Dates: July 24 - 28

Times: 8:30 a.m. - Noon

Grades: Rising 4th - 6th

Cost: \$195



Math Magicians

Instructor: Raleigh Tutoring

Abra-cadabra! Get ready to amaze your friends, family and teachers with your math knowledge and ability to do cool tricks! Learn to think of math as entertaining as you brush up on subjects you have already studied such as addition, subtraction, measurement, time and geometry while you prepare for math next year. As you play fun interactive games and try out new software, you will hardly realize you are doing math.

#34505A

Dates: July 10 - 14

Times: 8:30 a.m. - Noon

Grades: Rising 4th - 6th

Cost: \$195



Newspaper Writing

Instructor: Little Scholars



Get it hot off the presses! Learn all about the parts of a newspaper and how to write a professional article, explore customer reading habits, and analyze advertisements, layout and design techniques. Young journalists will enjoy this exciting camp as they create authentic newspaper stories. This first edition school newspaper needs your help!

#24507F

Dates: June 26 - 30

Times: 8:30 a.m. - 4:30 p.m.

Grades: Rising 4th - 6th

Cost: \$390



Writer's Lab

Instructor: Little Scholars

Test your linguistic prowess and get your creative juices flowing in Writer's Lab. Learn comic designs, Magna Comic writing and skit writing while stretching your language skills. Writers will entertain each other with their unique designs, play language games and develop their own original author portfolio. Even the weary writer will leave inspired to keep writing!

#64511A

Dates: July 31 - August 4
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$195



Writing Your Moment

Instructor: Raleigh Tutoring

What moment defines you? What makes a good story? Review the elements of story, examine how authors create their own works, and apply this knowledge as you write your own personal narratives. Focus on capturing a defining moment such as a joy, a sorrow, a success, a failure...the sky's the limit! Work in a writers workshop setting that will culminate with an opportunity to share your stories with the group.

#44512A

Dates: July 17 - 21
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$195



SCIENCE & TECHNOLOGY



007 Spy Camp

Instructor: CraZBrain

Escape the clutches of villains, break secret codes, and use evasive maneuvers to get home safely. Now is your chance to be a spy by breaking codes, identifying the mole in your group, making invisible ink and spy gadgets, and following GPS coordinates. Create your own laser tag area to test your skills against other campers and sneak through laser alarm systems to recover stolen artifacts. The obstacles are in place but do you have what it takes to pass these secret agent challenges?

#34401A

Dates: July 10 - 14
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$195

#44401A

Dates: July 17 - 21
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$195



Advanced Rocketry

Instructor: Mad Science

Houston . . . we have lift-off! Prepare for launches, track altitude, and launch rockets propelled by water and solid fuel engines. Master the model rocket safety code and be cleared for launch. Campers will use technology to develop replicable experiments, enhancing STEM outreach in an experience unique to Cary Academy.

#24404P

Dates: June 26 - 30
Times: 1:00 p.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$215





App Design: Build Your Own Mobile App

Instructor: Youth Digital

Learn the foundations of mobile app development and program your own mobile game! Complete a mobile game from start to finish, including choosing characters, level design, and programming the app's functionality. Learn the same App design concepts that the pros use including if-then statements, variables, debugging and troubleshooting. At the end of the week, you will be able to download and play your finished app on your Android or iOS device.

#24405F

Dates: June 26 - 30

Times: 8:30 a.m. - 4:30 p.m.

Grades: Rising 4th - 6th

Cost: \$410



Arduino Metal Detector

Instructor: Techsplorers

Design and build a metal detector from scratch! Wind the search coil using magnet wire, construct a Colpitts oscillator, interface it to the Arduino, and then learn how to code it. Explore the complementary relationship between hardware and software that must work together to yield a functional design. Laptops will be available to borrow, but we highly recommend bringing your own laptop with the free Arduino software already installed (see www.techsplorers.com/arduino for setup instructions).

#14407P

Dates: June 19 - 23

Times: 1:00 p.m. - 4:30 p.m.

Grades: Rising 4th - 6th

Cost: \$235



Bones, Bladders, and Brains: All About Your Body

NEW!

Instructor: Amy Flowers

Pretend you have x-ray vision and can see through your skin - what exactly is going on inside your body? Create life-sized organs, experiment with how the organs work separately and together, and make models of the senses. Learn about the taste buds on your tongue and the controls in your brain, and how to fuel and keep your body healthy. Look at the numbers of proteins, fats, carbohydrates, and vitamins that are needed daily, and create menus that can be taken home to keep your body in tip top shape.

#44408P

Dates: July 17 - 21

Times: 1:00 p.m. - 4:30 p.m.

Grades: Rising 4th - 6th

Cost: \$195

Crazy Contraptions

Instructor: CraZBrain

Ploop. Pling. Whirl. Zoom. Zap. Have you seen those crazy contraptions where a marble rolls down a ramp and knocks over a domino which triggers the level to start the zip line that knocks down a weight just to turn the light off? These complicated devices designed to complete simple tasks are called Rube Goldberg™ Machines and this is your chance to design and build them while exploring the science that makes it happen. You will learn the basics of simple machines including ramps, pulleys, and levers as well as the teamwork skills necessary to make your machines really go!

#24412P

Dates: June 26 - 30
Times: 1:00 p.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$195

#34412P

Dates: July 10 - 14
Times: 1:00 p.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$195

Design, Build, Create, S.T.E.A.M.

Instructor: Mad Science

Put on your engineer's hat for this exciting week where we will assemble and work with a variety of simple machines, structures and more! Become a true Mad Scientist as you learn about chemical reactions or become a young astronaut while exploring the mysteries of the solar system. Science, Technology, Engineering, Art, and Math are all explored in this fun camp! Campers will use technology to develop replicable experiments, enhancing STEM outreach in an experience unique to Cary Academy.

#44414P

Dates: July 17 - 21
Times: 1:00 p.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$200

Escape the Island Engineering

NEW!

Instructor: CraZBrain

You have been stranded on a deserted island; do you have the engineering skills to survive? Build traps for catching food, design cars powered by your breath, navigate the island with GPS, and build grappling hooks to fetch much needed supplies from long distances. Learn some basic engineering, simple physics, and problem solving skills as you plan your island escape. Let your imagination run wild and put your creative, hands-on building skills to the test in this wild adventure.

#24418A

Dates: June 26 - 30
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$195



14





Fun with Physics: Momentum, Matter, and Motion

Instructor: Mad Science

Fasten your seatbelt for a week of force and motion! Build cool devices to watch gravity, inertia, and centripetal force at work. Construct a rocket from recycled materials, a gravity simulator, and spinning machines. Learn the secrets behind the tablecloth trick, and discover Newton's Laws of Motion and more in this hands-on program all about motion. Campers will use technology to develop replicable experiments, enhancing STEM outreach in an experience unique to Cary Academy.

#14446P

Dates: June 19 - 23

Times: 1:00 p.m. - 4:30 p.m.

Grades: Rising 4th - 6th

Cost: \$200



Garden Explorations NEW!

Instructor: Bonnye Talbot

Flowers, vegetables, herbs, worms, bugs, dirt, sun, and water...the perfect formula for a beautiful and delicious garden! Prepare to get your hands dirty while learning how plants grow, which wiggly and 6 legged creatures are friend or foe, how your "trash" is a plant's treasure, and how all those flowers, veggies, and plants can be used on and off the dinner plate. Meet some very hungry caterpillars, learn the dirt on dirt, and take home your own herbs and flowers to plant at home. Take a trip to a local garden and learn from guest speakers who will talk compost and sustainability.

#24403A

Dates: June 26 - 30

Times: 8:30 a.m. - Noon

Grades: Rising 4th - 6th

Cost: \$195



Great Gardens NEW!

Instructor: Bonnie Dodwell

A garden is a beautiful thing but it needs loving care by people who know what they are doing. Learn how to keep indoor plants healthy and happy and how to design your own outdoor garden. Learn the best plants to put together, when to plant, when not to. Plant your own window box that can be placed anywhere at your home. We will visit the NC State Arboretum and get professional advice from the experts at Campbell's Nursery. By the end of the week, everyone will have a green thumb.

#54427P

Dates: July 24 - 28

Times: 1:00 p.m. - 4:30 p.m.

Grades: Rising 4th - 6th

Cost: \$195



Instructor: IMACS

Both sports and academics provide an opportunity for you to experience accomplishment discover your talents, and build your self-confidence. This fun and exciting camp does for the mind what sports do for the body. Designed by the Institute for Mathematics and Computer Science (IMACS), this camp consists of logic puzzles, virtual robotics, computer programming, electronics, and an element of competition.

 **#54429F**

Dates: July 24 - 28
Time: 8:30 a.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$440

2 hours of logic puzzles, 2 hours of electronics, 2 hours of computer programming and virtual robotics.

 **#64429F**

Dates: July 31 - August 4
Time: 8:30 a.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$440

2 hours of logic puzzles, 2 hours of electronics, 2 hours of computer programming and virtual robotics.

 **#54429A**

Dates: July 24 - 28
Time: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$240

2 hours of logic puzzles, 1 hour of computer programming and virtual robotics.

 **#64429A**

Dates: July 31 - August 4
Time: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$240

2 hours of logic puzzles, 1 hour of computer programming and virtual robotics.

 **#54429P**

Dates: July 24 - 28
Time: 1:00 p.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$240

2 hours of electronics, 1 hour of computer programming and virtual robotics.

 **#64429P**

Dates: July 31 - August 4
Time: 1:00 p.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$240

2 hours of electronics, 1 hour of computer programming and virtual robotics.

**Internal Combustion Engines****Instructor: Techsplorers**

Completely take apart a lawn mower engine and put it back together again – the right way. Learn everything from how to use mechanics tools like ratchets, wrenches, and screwdrivers to the engineering theory behind carburetors, magnetos, spark plugs, and compression ratios. By the end of the week you will know why octane ratings matter and how to calculate the displacement of any engine. Current Boy Scouts may be able to obtain their Engineering Merit Badge by participating in this camp and completing at-home projects with a short write-up afterwards.

 **#64430P**

Dates: July 31 - August 4
Times: 1:00 p.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$235



Introduction to Electrical Engineering

Instructor: Techsplorers

Design and build an electronic musical instrument that you play without touching! Learn how to use light-emitting diodes, resistors, capacitors, and integrated circuit chips, then solder the entire circuit together permanently just like a real electrical engineer and take it home. Not only will you build it from scratch, we will teach you exactly how it works. Current Boy Scouts may be able to obtain their Electronics Merit Badge by participating in this camp and completing at-home projects and a short write-up afterwards.

#64431A

Dates: July 31 - August 4
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$235



LEGO® Advanced Engineering

Instructor: Bricks4Kidz

Calling all LEGO® Master Builders! Learn master builder fundamentals while building a variety of challenging and advanced motorized mechanical constructs using LEGO® Bricks and Technic® Elements including a mechanical spider, construction equipment, sports machines, and animals. Finish the week by engineering and creating your own custom articulated creation.

#54436P

Dates: July 24 - 28
Times: 1:00 p.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$195



LEGO® Exploration Simple Machines

Instructor: Raleigh Tutoring

Grind your gears and spin your wheels. Your brain and your hands will be busy in this hands-on camp that uses Lego® to understand concepts in science, technology, engineering, and math. Explore and investigate simple machines including gear, wheels, axles, levers and pulleys. Identify an engineering problem and try to solve it using your own Lego® machine.

#14439F

Dates: June 19 - 23
Times: 8:30 a.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$390





LEGO® Imagineering Exploring the World of Fantasy

Instructor: Bricks4Kidz

You will build mechanized versions of your favorite characters from the land of fantasy using LEGO® Bricks and Technic® elements. From the World of Harry Potter®, build a Snitch and Quidditch Match; from the mystical land of Frozen® build a motorized Sleigh and Running Reindeer; and from the underwater world of Finding Dory® build a working model of Mr. Ray! Even the Minions® come alive when you construct a Dunk Tank and Dancing Stuart model! Ever wonder what your pets do while you are at school? Build Max the dog and Snowball the rabbit and find out!

#34441P

Dates: July 10 - 14
Times: 1:00 p.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$195



Mini Weapons Battle Royale

Instructor: CraZBrain

Physics and engineering are more than math equations and calculators. Build castles, mini slingshots, catapults, and a tiny bow and arrows to destroy the enemy team and capture their flag. Choose an army, whether it's soldiers or zombies, dinosaurs or kittens, and battle other armies with your homemade weapons. Do you have what it takes to put your arrows on target, protect your land, trick your opponent, and take over other kingdoms? Can a team of dinosaurs conquer the ninjas? Anything is possible!

#44444P

Dates: July 17 - 21
Times: 1:00 p.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$195



Mod Design: Create Your Own Minecraft Mod

Instructor: Youth Digital

Learn the basics of one of the most popular coding languages in the world as you modify real Java code to build your own Minecraft® mods! Master introductory computer programming concepts including object-oriented programming, methods and parameters, and installation of new objects. Learn all the necessary skills to create any mod you can imagine including blocks, items, mobs, and more. At the end of the week, you will walk away with a unique Minecraft® mod that you can download and share with friends.

#14445F

Dates: June 19 - 23
Times: 8:30 a.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$410

#44445F

Dates: July 17 - 21
Times: 8:30 a.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$410



Out of This World

Instructor: Triangle Engineering for Kids

To the moon and back! Learn the engineering it takes to succeed in space as we explore aerospace, civil, and chemical engineering. Design and construct projects that will enable mankind to safely inhabit the moon. Program robots to explore an unknown planet, find safe shelter, and collect soil samples from the planet. Collaborate with your Space State teams to create the safest and most effective community on the moon and earn Astro-Points. Humans will be prepared to take up residence by the end of the week!

#34446F

Dates: July 10 - 14
Times: 8:30 a.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$390



Remote Control Battle Bots

Instructor: CraZBrain

In situations where it is too dangerous to send in a human, the military often sends in robots and armored cars to accomplish their objectives. In this camp, you'll use remote control cars and modify them for various top secret missions. Do you think you can design and create RC cars that can defuse bombs, navigate minefields, and recover stolen artifacts? Learn some basic engineering, problem solving, and combative strategies as we prepare our bots for battle. The week will culminate with a huge RC car battle similar to what you'd see on the popular TV show Battle Bots!

#14449P

Dates: June 19 - 13
Times: 1:00 p.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$195



Wreck It!

Instructor: Triangle Engineering for Kids

Bang. Crash. Splat! Learn about mechanical, civil, aerospace and industrial engineering as we design and construct a variety of projects that will then be used in a wrecking scenario. Work your way from Intern to President at our mock Wrecking Company by building balsa wood bridges, constructing safety mechanisms to protect a raw egg from impact, and launching catapults. Put on your hard hats and safety goggles and join the fun!

#24452F

Dates: June 26 - 30
Times: 8:30 a.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$390



Server Design: Create Your Own Minecraft Server

Instructor: Youth Digital

Learn professional Java programming as you design and build your own Minecraft® server that you can customize and share with friends! Master introductory computer programming concepts including methods and parameters, if-then statements, and more as you use a professional Java development tool to build your own Minecraft® server. Learn the basics of one of the most popular coding languages in the world to customize not only how your server looks, but also how it functions. At the end of the week, you will have your own customized Minecraft® server that you can play and share with friends. For this camp, every participant must have a copy of Minecraft for PC or Mac (not Pocket Edition) and bring their login credentials to camp.

#54454F

Dates: July 24 - 28
Times: 8:30 a.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$410





Spies and Espionage: The Art of Investigation

Instructor: Raleigh Tutoring

Step into the well-worn shoes of a detective or secret agent and uncover the science involved in evidence gathering and analysis. Explore forensic science through the eyes of crime solvers using your powers of observation to reveal clues and solve cases. Develop disguises for cover, make and break secret codes, and create and use cool spy gadgets. A local police detective will join us for a discussion and demonstration during the week.

#24457A

Dates: June 26 - 30
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$195



Take Flight into Aerospace Engineering

Instructor: Techsplorers

Watch as your rockets blast off hundreds of feet into the air! Learn the fundamentals of aerospace engineering and use your newfound knowledge to design, build, and launch your own water bottle and model rockets. However, the real challenge comes when you design and construct your own balsa wood gliders from scratch – just like the Aerospace students at NC State. By the end of the week, you will feel like a real rocket scientist with creations of your very own to take home.

#14458A

Dates: June 19 - 23
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$235



The Amazing Race **NEW!**

Instructor: Triangle Engineering for Kids

Engineers, pack your bags and get ready for an adventure! Team up for a wild ride across the globe in our very own Amazing Race. Carefully engineer designs that traverse the most treacherous terrain, brave the stormiest seas, and soar above the clouds. Can your team make it all the way around the world in just a few days? Grab your passports and catch a flight straight to a truly unbelievable journey!

#44459F

Dates: July 17 - 21
Times: 8:30 a.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$390



Typing 101

Instructor: Shanna Roberts

Prepare to use technology faster and more accurately with a custom typing program just for you. Learn to use the keyboard without looking at the keys. Train your fingers with fun games and custom keyboard challenges. Campers will have online access to Typing 101 after camp.

#44435A

Dates: July 17 - 21
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$195

#54435A

Dates: July 24 - 28
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$195

Vets in Training

Instructor: Wendy Farenthold

Look inside the mouth of a dog – will it give you clues about his health? Explore veterinary medicine through the eyes of a veterinarian and use your knowledge to take care of animals. We will host visits from a veterinarian and the SPCA, conduct science lessons and labs, do check-ups on real dogs, perform surgery on stuffed animals, and enjoy animal-themed crafts and games. At the end of the week, we will visit the North Carolina Zoo in Asheboro to observe animals in their habitats.

#24460F

Dates: June 26 - 30
Times: 8:30 a.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$390

#54460F

Dates: July 24 - 28
Times: 8:30 a.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$390

Video Game Programming with GameMaker

Instructor: iTech

Create and design your very own video game. Learn the full process of creating a game from beginning to end including planning, game design, and interface design using GameMaker software. Create your own rendition of maze games and shooter games as you experience the real world of video game development. No prior programming experience is necessary. Campers will bring home a game to share with family and friends.

Dates: July 10 - 14
Times: 1:00 p.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$195

#34462P



Video Game Development: Design and Program your Own 3D Video Game

Instructor: Youth Digital

Are you ready to pour all your most epic ideas into your own unique 3D adventure game? A time traveling fairy warrior? A wilderness adventure map with a death-defying sand storm? Learn the fundamentals of Coding in C# and Game Development in Unity and create your own video game. Game design concepts and gameplay mechanics will make your game both challenging and fun to play. At the end of the week you'll take home your awesome 3D game to share with family and friends.

#34461F

Dates: July 10 - 14
Times: 8:30 a.m. - 4:30 p.m.
Grades: Rising 4th - 6th
Cost: \$410





En Garde! Beginner Through Intermediate Olympic Fencing

Instructor: Mid South Fencing

En Garde! Experience the thrill of sword fighting through the Olympic sport of fencing in a fun, positive, and active environment. New and returning campers will discover the art of swordplay, develop fencing skills, and learn about the rules and history of the sport. Campers will experience a wide variety of games and exercises to build self-confidence, athletic awareness and develop the basic skills needed to grow as a fencer, including: hand-eye coordination, quick reflexes, the ability to change direction efficiently, and the ability to make quick decisions with psychological resiliency. All equipment is provided and safety is emphasized.

#14103A

Dates: June 19 - 23

Times: 8:30 a.m. - Noon

Grades: Rising 4th - 6th

Cost: \$195



Fly, Fight, Fit

NEW!

Instructor: Bonnye Talbot

Fly on aerial silks, hang from a trapeze, spin with hoops, defend against bullies, and bring out your inner street ninja! Engage your mind and discover non-traditional ways to get physically fit from real circus performers and certified military combat instructors. Learn aerial silks, trapeze, partner aerobics, parkour, and aspects of Krav Maga self-defense systems to punch, kick, and defend against heavy bags and real life situations. Show off your new skills in a small demonstration and performance for families on the last day.

#34101F

Dates: July 10 - 14

Times: 8:30 a.m. - 4:30 p.m.

Grades: Rising 4th - 6th

Cost: \$390

#64101F

Dates: July 31 - August 4

Times: 8:30 a.m. - 4:30 p.m.

Grades: Rising 4th - 6th

Cost: \$390



Hockey Off Ice Training, Strategy and Playing the Game

NEW!

Instructor: Tom Hutchison

Grab your hockey sticks and get ready to refine your skills for the upcoming ice or roller hockey season. Our USA Hockey inspired Dry Land training program will work on all facets of the ice game, including the strategy and conditioning that is needed to take your game to the next level. Daily skills competitions and street hockey games will put your new skills to the test. Led by a Level 3 USA Hockey coach and NC State University goalie ensures that all players and goalies will get specialized coaching in various areas. Campers should bring a helmet with face shield, street hockey stick and gloves; elbow and knee pads are recommended but not required.

#34104A

Dates: July 10 - 14

Times: 8:30 a.m. - Noon

Grades: Rising 4th - 6th

Cost: \$195



Performance Tennis Academy

Instructor: XCEL Tennis

Grab your racket and get ready to play on a tennis court that is just your size! Learn how to rally, volley and serve as we improve your tennis fundamentals in a creative way that is sure to have you smiling. Improve your skills with games and drills like the Bucket Game, Intensity, and Champion of the Court while making new friends. Campers should bring their own 25", 26" or 27" tennis racket, wear athletic shoes, and bring a water bottle to camp every day.

#14106A

Dates: June 19 - 23
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$195

#24106A

Dates: June 26 - 30
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$195

#34106A

Dates: July 10 - 14
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$195

#44106A

Dates: July 17 - 21
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$195

#54106A

Dates: July 24 - 28
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$195

#64106A

Dates: July 31 - August 4
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$195



Soccer Skills and Techniques

Instructor: Costa Soccer Company

Grab your cleats and water bottle and meet us on the field! An irresistible week of soccer is waiting for you as we practice the fundamentals including dribbling, passing, shooting, heading, and receiving. Up your game with daily scrimmages and exciting skill challenges and competitions. Campers will need a soccer ball, cleats, non-scuff athletic shoes (for times indoors) and shin guards. Campers of all skill levels are welcome and will be divided into groups by age and ability.

#14107A

Dates: June 19 - 23
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$195

#24107A

Dates: June 26 - 30
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$195

#44107A

Dates: July 17 - 21
Times: 8:30 a.m. - Noon
Grades: Rising 4th - 6th
Cost: \$195

