Summer Camp Classes
May 27–August 7
2014

 Spend half days or full days immersed in hands-on activities exploring science, technology, and art.

Camps offered for ages 4–15 years; some classes are offered in Spanish.

Before and after care options.

Week-long Camps
June 2–Aug. 1, for ages 4–15

Sign up for a morning, an afternoon, or stay the day with both.

Each morning or afternoon session is an adventure with engaging learning activities. Choose from kitchen chemistry, aerodynamics, engineering super structures, exploring magnetic storms, ensemble theater work, computer programming, archeology, and whole lot more.

Fee: $130 per morning or afternoon camp for Explora members, $150 for non-members.

NEW One-day Camps
May 27, 28, 29, 30 and Aug. 4, 5, 6, 7, for ages K–12

Sign up for a morning, an afternoon, or stay the day with both.

No need to choose a topic. Each morning or afternoon session is a different surprise adventure exploring science, technology, and art. Sign up for one, or for all—no two are alike.

Fee: $30 morning or afternoon camp for members, $40 for non-members.
Camp Information

New One-day Camps extend summer learning
May 27, 28, 29, 30 and August 4, 5, 6, 7
For K–12 yrs.  9 am–12 pm and 1 pm–4 pm
Sign up for a morning, an afternoon, or stay the day with both!
Camp fee: $30 per child per class for Explora Members, $40 for non-members.

Before & After Camp Care options May 27–Aug. 7
8–9 am or 4–5:30 pm
Pay-in-advance: Weekly, $25 per morning or afternoon session.
Daily, $5 per child per morning or afternoon session.
Drop-in: Daily, $10 per child, per morning or afternoon session.

For more information or to register, please visit www.explora.us, email reservations@explora.us, or call Explora’s Reservations Office at 505.224.8341. This office is open Mon.–Fri., 9am–5pm.

Para información en español, llame al 505.224.8323 de lunes a viernes, de 9:00 a.m. a 5:00 p.m o escriba por correo electrónico a reservations@explora.us.
NEW! Keep the summer learning going, Monday–Thursday August 4–7
One-day Camps are available for K–12 yrs • Morning Camps 9am–12pm, Afternoon Camps 1–4pm
Sign up for one day, or many. Sign up for a morning, an afternoon, or stay the day with both!
Fees: $30 per child per morning or afternoon class for Explora Members, $40 for non-members.
More information on inside front cover.

Morning Classes July 21–25, 9am–12pm
4–5 yrs. (This class ends at 11:30 am)
Exploring Patterns and Colors: Red, yellow, blue, green. We’ll investigate the colors and patterns that are everywhere.

Morning Classes July 21–25, 9am–12pm
K–7 yrs. Mechanics in Motion: Increase your strength by using mechanical motion to help you complete a variety of tasks, such as using a pulley to lift a heavy bucket, making a drawing machine using gears, pulling a car up a ramp, and going bowling with pendulums.

Morning Classes July 21–25, 9am–12pm

Morning Classes July 28–Aug. 1, 9am–12pm
4–5 yrs. (This class ends at 11:30 am)
Exploring Buildings and Communities: Look at the buildings around you. Be an architect as you build structures and design communities.

Morning Classes July 21–25, 9am–12pm
K–7 yrs. What is music? Where does it come from? How is it made? Explore music, sound, pitch, vibration, and rhythm through singing, playing instruments, and more! Discover the wonder and joy in music.

Morning Classes July 21–25, 9am–12pm
K–7 yrs. Music Explorers: What is music? Where does it come from? How is it made? Explore music, sound, pitch, vibration, and rhythm through singing, playing instruments, and more! Discover the wonder and joy in music.

Afternoon Classes July 21–25, 1–4pm
K–7 yrs. Mix It Up: Get your hands in the mix as you concoct polymers, test the stretchiness of Silly Putty® and swirling gunk, compare the consistency of dough recipes, and question the boundary between solids and liquids.

Afternoon Classes July 21–25, 1–4pm
7–9 yrs. Birds of a Feather: Investigate birds to discover what birds eat. Make feeders for Explora’s backyard space and to take home. Dissect owl pellets. (Pick up and drop off on one of our days will be at the Bosque nearby, weather permitting.)

Afternoon Classes July 21–25, 1–4pm
9–12 yrs. Blast Off: Experiment with inertia, thrust, action/reaction, propulsion, and aerodynamics as you design and test water- and air-powered rockets that soar.

Afternoon Classes July 21–25, 1–4pm
9–12 yrs. Pinball Wizard: Design a pinball game out of peg boards, rubber bands, and a variety of other materials. Experiment with building and testing pins, traps, bumpers, guardrails, and more.

Morning Classes July 28–Aug. 1, 9am–12pm
K–7 yrs. What’s Your Story: Starting on Page 1, we will create books together. Make your own paper, experiment with ancient and modern binding and print techniques, and preserve your own photographic and collected treasures inside.

Morning Classes July 28–Aug. 1, 9am–12pm
K–7 yrs. What’s Cooking in Chemistry?: Become a kitchen chemist. Experiment with household materials, investigate reactions in a variety of foods, make ice cream, and more.

Afternoon Classes July 28–Aug. 1, 9am–12pm
K–7 yrs. Under Water: Submerge yourself in the wondrous world of water as you experiment with theatres and sinkers, design a periscope, make mini-submarines powered by Alka-Seltzer® tablets, and explore how density can make liquids sink or float.

Afternoon Classes July 28–Aug. 1, 9am–12pm
9–12 yrs. Geology Rocks: Unearth the marvels of geology as you examine a variety of rocks to discover the functions of curious artifacts based on their forms.

Afternoon Classes July 28–Aug. 1, 9am–12pm
9–12 yrs. Cardboard Architects: Experiment with the art and science of architecture as you design and build various structures using cardboard and other materials. You’ll also use failure analysis to test strength and stability!

Morning Classes June 9–13, 9am–12pm
4–5 yrs. (This class ends at 11:30 am)
Exploring Water: You can’t see it but it is everywhere. Come make discoveries about air.

Morning Classes June 9–13, 9am–12pm
K–7 yrs. What’s Cooking in Chemistry?: Become a kitchen chemist. You’ll experiment with household materials, investigate reactions in a variety of foods, make ice cream, and more.

Afternoon Classes June 9–13, 1–4pm

Morning Classes June 9–13, 9am–12pm
9–12 yrs. Dimensions of Design: Transform digital drawings into unique architectural models using recycled materials and simple circuits. Draw upon a variety of techniques, technologies, and tools to engineer your vision and build structures for your unique city.

Afternoon Classes June 9–13, 1–4pm
9–12 yrs. Dimensions of Design: Transform digital drawings into unique architectural models using recycled materials and simple circuits. Draw upon a variety of techniques, technologies, and tools to engineer your vision and build structures for your unique city.

Morning Classes June 9–13, 9am–12pm
9–12 yrs. Magnetic Storms: Have you ever seen a magnetic storm? Use a sunspotter to track one down! Experiment with magnetic fields to float magnets down copper tubes, launch steel balls, build electromagnets, and investigate ferrofluids.

Afternoon Classes June 9–13, 1–4pm
5 yrs. (This class ends at 11:30 am)
Exploring Water: You can’t see it but it is everywhere. Come make discoveries about air.

Morning Classes June 2–6, 9am–12pm

Afternoon Classes June 2–6, 1–4pm

Afternoon Classes June 2–6, 1–4pm
7–9 yrs. Magnetic Storms: Have you ever seen a magnetic storm? Use a sunspotter to track one down! Experiment with magnetic fields to float magnets down copper tubes, launch steel balls, build electromagnets, and investigate ferrofluids.

Morning Classes June 2–6, 9am–12pm
13-15 yrs. Programmable Pi® (a full-day class, 9 am–4 pm, $260 members, $300 non-members)
Learn real programming skills as you discover the ins and outs of a Raspberry Pi® — a computer the size of a credit card! The best part: At the end you take the Raspberry Pi® home to continue your explorations!
*offered in collaboration with MZA Associates Corporation.
Morning Classes June 16–20 9am–12pm
4-5 yrs. (This class ends at 11:30 am)
Exploring Patterns and Colors: Red, yellow, blue, green. We'll investigate the colors and patterns that are everywhere.

K-7 yrs.
Building Construction: Become an architect and builder. Investigate construction techniques used for different structures, and experiment with different materials, shapes, and design as you make your own buildings and bridges.

7-9 yrs.
Branch Out: Experiment with plant growth and take a closer look at the parts of plants as you try your hand at leaf chromatography, dye seeds and plants, make leaf skeletons, and explore tree rings.

9-12 yrs.
Inventive Robotics: Explore basic robotic systems as you experiment with devices that hover or launch balls. Program LEGO® Mindstorms™ robot missions, program PicoCrickets to create a “smart house,” build a basic robot from recycled materials, and more.

9-12 yrs.
Beyond Visible Light: Can you see your body heat? How does sunscreen work? Explore the electromagnetic spectrum, including infrared and ultraviolet light, as you experiment with spectroscopes, plasma balls, diffraction gratings, prisms, and more.

Afternoon Classes June 16–20 1–4pm
K-7 yrs.
Branch Out: Experiment with plant growth and take a closer look at the parts of plants as you try your hand at leaf chromatography, dye seeds and plants, make leaf skeletons, and explore tree rings.

7-9 yrs.
It's a Small World: Discover the wonders of the microscopic and cellular world. Explore what is lurking in your eyebrow, inside your cheek, under your fingernail, in a drop of pond water, and more.

9-12 yrs.
Inventive Robotics: Explore basic robotic systems as you experiment with device that hovers or launch balls. Program LEGO® Mindstorms™ robot missions, program PicoCrickets to create a “smart house,” build a basic robot from recycled materials, and more.

9-12 yrs.
Super Balls: Explore collisions as balls hit each other on a track, discover how weight affects the distance a ball travels, and find out the secrets of billiards.

Morning Classes June 23–27, 9am–12pm
4-5 yrs. (This class ends at 11:30 am)
Exploring Communities and Building: Look at the buildings around you. Be an architect as you build structures and design communities.

K-7 yrs.
Crazy Concoctions: Be an inquisitive scientist! Concoct slimy substances and observe their characteristics, watch colors change before your eyes as you mix different colored solutions to create new ones, and much more.

7-9 yrs.
Blast Off: Experiment with inertia, thrust, action/reaction, propulsion, and aerodynamics as you design and test water-powered and air-powered rockets that soar.

9 yrs.

12 yrs.
Bridging the Gap: Design, build, and test a variety of bridge types including cantilever, arch, and suspension. Strength tests will determine load capacity and stability in simulated earthquakes.

9-12 yrs.
Crazy about Colloids: What do shaving cream, milk, fog, and hair gel have in common? Experiment with these unique colloids to construct shaving-cream towers, create tie-dye milk art, and make your own cloud chandelier.

Afternoon Classes June 23–27 1–4pm
K-7 yrs.
Science to Go: What makes things move? Experiments with getting things in motion as you use air to propel cars and boats, harness water to make water wheels turn, and explore how static electricity can make salt jump.

7-9 yrs.
Blast Off: Experiment with inertia, thrust, action/reaction, propulsion, and aerodynamics as you design and test water-powered and air-powered rockets that soar.

7-9 yrs.

12 yrs.
Bridging the Gap: Design, build, and test a variety of bridge types including cantilever, arch, and suspension. Strength tests will determine load capacity and stability in simulated earthquakes.

Morning Classes July 7–11, 9am–12pm
4-5 yrs. [This class ends at 11:30 am]
Exploring Water: Splish, Splish! Get your hands wet exploring water.

K-7 yrs.
Imagination's Act Up! Explore a variety of media in the Explora Theater, including puppetry, circus skills, storytelling, and ensemble work.

7-9 yrs.
Aquas, Agua por Todas Partes: Reflejos en Explora mientras experimentas con los sistemas de fósforo, disolución, relojes de agua, construye “acuarianos”, explora la densidad de los líquidos, y más.

9 yrs.
Chemistry in the Kitchen: Put on your chef apron and try our tempting, tasty, and bubbling kitchen experiments. Conduct a baking soda/baking powder challenge, compare, adapt, and invent recipes, and make green eggs and ham!

9 yrs.
Tip the Balance: Shift weight to balance objects or make them fall. Experiment with center of gravity and your body, counterbalance and construction, and artistically balanced compositions.

12 yrs.
Chemistry of Art: Make your own art supplies including paint, clay, and clay to create sculptures and paintings. You can make your own acrylics! Make your own green eggs and ham! Be an inquisitive scientist! Concoct slimy substances and observe their characteristics, watch colors change before your eyes as you mix different colored solutions to create new ones, and much more.

Afternoon Classes July 7–11, 1–4pm
K-7 yrs.
Up, Up, and Away: Investigate how air all around us takes up space and does work. Experiment with static, compressed, and moving air and make toys that spin, zoom, float, and fly.

7-9 yrs.
Chemistry in the Kitchen: Put on your chef apron and try our tempting, tasty, and bubbling kitchen experiments. Conduct a baking soda/baking powder challenge, compare, adapt, and invent recipes, and make green eggs and ham!

7-9 yrs.
Imagination's Act Up! Explore a variety of media in the Explora Theater, including puppetry, circus skills, storytelling, and ensemble work.

7 yrs.
Huevos Experimentales: Diviértete diseñando y experimentando con diferentes sistemas para evitar que tu plátano (un huerto) reviente! Dibuja y construye equipos para protegerlo, observa tu huerto plátano experimentando con diferentes sistemas, revísalo y explique lo que te va mejor.

9-12 yrs.
Water, Water Everywhere: Cool off at Explora as you experiment with siphons, design water clocks, build "acuarianos," explore liquid density, and more.

Morning Classes July 14–18, 9am–12pm
4-5 yrs. [This class ends at 11:30 am]
Exploring Air: You can’t see it but it is everywhere. Come make discoveries about air.

K-7 yrs.
In the Shadows: Discover different ways to make shadows as you investigate light by bouncing and bending it. Explore shadow shape, experiment with colored shadows, and use shadows to measure time.

7-9 yrs.
Crazy Cartes: Become a speed demon as you experiment with rubber hand-powered, ballon-powered, and mousetrap-powered cars.

9 yrs.
Egg Crash Test Dummies: Get egg-cited about testing and analyzing as you work out ways to protect eggs during car, rocket, and parachute crashes. Design and build protective cases, analyze crash videos, examine your designs to boost crash survival rates.

13 yrs.
Making Artistic Innovations: Learn new art processes with household items and explore art and science connections. You’ll work with screen printing on fabric, plastic fusing, paper and sewn circuits, and tape transfers to make mixed media creations...all by stretching your pennies...literally!

13 yrs.
Knives, and Planes, and Lathes! Oh My! Experience the fun of learning to shape wood by hand, using traditional cutting tools. Develop valuable skills as you investigate types of wood, the effect of grain, and safe, effective tool use. Discover the wonder of wood as you shape a raw material into a finished piece of your own design.

Afternoon Classes July 14–18, 1–4pm
K-7 yrs.
Marvelous Magnets: Discover how a variety of magnets can provide a fun and educational learning experience. Investigate magnetic properties as you race cars, create magnet art, use magnets as tools, and make your own electromagnet.

7 yrs.
Bathroom Science: Be a bathroom chemist! Test several shampoo and toothpaste brands for effectiveness, try different concoctions to make your own gingerly soap, go on a germ hunt, and more.

9 yrs.
Moving Images: Investigate early animation techniques, manipulate VHS film using markers, hole punches, nails, and sandpaper, then explore projection. You'll also experiment with stop-motion animation.

13 yrs.
CSI Computer Science Investigation: Explore the basic structures of programming languages and data types, arrays, functions, loops, if else statements, etc. Write basic programs in Arduino, python, and others, and explore their pros and cons. Create programs to control light displays, run robot motors, detect motion. Can you find ways to combine them?

13 yrs.
Materials Camp: Cast metal and resin, make an alley, build a light bulb, concoct foamy creations, and more while you use basic science to examine and discover the materials that make up the "stuff" around you.