

## **Aqua Lab \*NEW**

**1-week sessions.** We'll bring the wild world of water into the classroom in this new camp. We'll explore all things wet and wonderful; we'll figure out how things float, how the water cycle works, and use water to create some beautiful creations. We'll probably even bust out our water balloon launcher! *Content will be the same each session.*  
**Weeks 2, 4, 5**

## **Bead Mosaics**

**1-week sessions.** Ignite your creative mind by designing small projects in mosaic-styled patterns with fuse beading. Use a bead stencil to follow a specific pattern or make your own creations with this fun beading art. Make a pet, your favorite character, a creature, or a house into keychains, wall art, or jewelry. The fun is in thinking of different characters, objects, scenes, and color combinations and watching your projects come to life. *Content will be the same each session.* **Weeks 3 & 6**

## **Chess Mini-Masters \*NEW**

**1-week sessions.** A mix of games and fun, your child will develop their chess skills, learning techniques and strategies to help them better understand the game and reinforce logical thinking and problem solving. They will participate in a variety of other activities that prompt kinesthetic learning and strategic thinking.  
**Weeks 5 & 6**

## **Chibi Creations**

**1-week sessions.** Who can resist these adorable characters with their big eyes, big heads, and big feelings? Learn the basics on how to create cute chibis with drawing and storyboarding, then turn your chibi loose in a 3-D world designed out of recycled materials. Work in teams with other creators to bring your characters to life in a 'zine or video. *Content will be the same each session.*  
**Weeks 4**

## **Dress for Mess \* NEW**

**1-week sessions.** Do you love to accessorize, making everything you touch into a magical, wearable creation? Then this is the camp for you! Every creation will be more dazzling than the next! We'll make some beautiful, wearable art in this camp- everything tie-dyed, puffy

**Dress for Mess, cont...** painted and bejeweled! Plan to bring a plain pillow case that can get dyed, and, as the title says... dress for mess! *Content will be the same each session.* **Weeks 1 & 2**

## **Experimentation Station**

**1 week sessions.** Conduct hands-on experiments with things gooey, strange, stinky, colorful, eruptive, surprising, and always fun! Hypothesize about the science behind the reactions you see. You'll finish camp with a lab book of experiments you can do again at home. *Please note that some experiments will involve small servings of candy (nut free), and we will make ice cream (with a non-dairy option). Ingredients can be provided upon request.* *Content will be the same each session.*  
**Weeks 1, 2, 3, 4, 5, & 6**

## **Junior Detectives (1st-2nd)**

**1-week sessions** Solve the mystery of the stolen art with science! Become a crime scene investigator and get eyewitness accounts, match ink samples through chromatography, and analyze fingerprints and DNA (Are these hair fibers from our thieves or leftover cat hair?). Each day, you'll uncover new evidence until you find the culprit. Share your analysis with a real-life crime fighter to earn your junior detective badge. *Content will be the same each session.* **Weeks 4 & 6**

## **LEGO Architects**

**1 week sessions.** Use your creativity and problem-solving skills to construct celebrated natural and human-made wonders using LEGOs! Projects will build on ideas from famous Chicago-area architects such as Frank Lloyd Wright and Jeanne Gang, and contemporary architect Frank Gehry. Kids will work both individually and in small groups. We'll document our projects and share them with friends and family at the end of camp. *Content will be the same each session.* **Weeks 1 & 2**

## LEGO Pre-Engineering

**1-week sessions.** Use LEGO mechanisms to take on exciting challenges – building machines that carry the most weight, or vehicles that roll the farthest or the fastest! Working in groups or individually, you'll build vehicles, mini-robots, catapults, and contraptions of all sorts. Sketch, design, and create small machines, figuring out along the way what works and what doesn't. Some projects will incorporate instructions to follow while others will be free-form designs, bringing out your inner inventor. *Content will be the same each session. Weeks 4 & 5*

## LEGO Stop Motion

**1-week sessions.** Make an animated movie using LEGOs! Create your storyboard, build your LEGO scenery and characters, and capture each step of the action with the camera. Then put on your producer hat and bring it all together using iMotion software. Your final product will be your very own animated stop-motion video. Bring simple, recycled materials to create your movie set (more information will be given on the first day of camp). *Content will be the same each session but campers can animate different stories if signed up for multiple sessions. Weeks 1, 2, 4, & 5*

## Mini Music Makers

**1-week sessions.** Let your creativity soar in this camp where dramatic exploration and improvisation technique takes center stage. Learn the essentials of rhythm and pitch using percussive instruments and online programs, and paint a visual picture with the notes you play. Record your own song and wow your friends and family! *Content will be the same each session. Week 6*

## Mini Spheros

**1-week sessions.** These Spheros might be mini, but this camp packs tons of fun into these little round robots! This camp is a perfect introduction to robotics and coding challenges—we'll learn to code it, drive it, make it change colors and cool animal noises! Campers will engage in fun challenges that flex their critical thinking, creative confidence, teamwork, and coding skills. *Content will be the same each session. Weeks, 1, 4, & 6*

## Playground Physics\* **NEW**

It's easy to investigate the science of energy, force and motion- all from the playground! We'll do a variety of experiments and design our own playground that maximizes the potential energy it could create. We'll be outside as much as possible, so dress for the weather and get excited for this new camp! *Content will be the same each session. Weeks 1, 2 & 4*

## Rainforest Yoga

**1-week sessions.** Stretch your mind and body as you explore the rainforest with yoga poses, stories, music, jungle art and mindful visualizations. After yoga each day, we shift our focus to 2 art projects: "layers of the rainforest" collage and an animal stitchery project requiring focus and concentration! As neither art nor yoga are competitive activities, all children will experience success! To participate fully in the class, children should wear comfortable stretchy clothes. *In partnership with YogaKids of Oak Park. Content will be the same each session. Weeks 5 & 6*

## Sensory Science

**1-week sessions.** Experience chemistry and physics in action as you play and explore with your senses! Mix, create, and play with rubbery goop, rice and ice, colorful spaghetti, homemade kinetic sand, and fluffy cloud dough. Delight in all the fun, benefits, and hands-on goeyness of sensory and tactile play -- it's okay to get messy in Sensory Science! This is a great avenue for helping to meet your child's sensory needs, while also boosting self-regulation. *Please dress for a mess. Content will be the same each session. Weeks 3 - 5*

## Space Rangers

**1-week sessions.** Blast off on an intergalactic adventure! Get up close to outer space as you create constellations, moon craters, and balloon rockets. Step into the shoes of an astronaut and simulate walking, writing, and working in a spacesuit, and Skype with a NASA astronaut doctor to learn more about space careers. You'll even sample astronaut food! Please note that this camp will include a selection of freeze-dried foods, with allergy-friendly options. A list of ingredients can be provided upon request. *Content will be the same each session. Weeks 1, 2, 4 & 5*

## Speedometry

**1-week sessions.** Set your brain racing while using Hot Wheels cars and ramps to engage in science concepts such as energy, force, and motion. Develop creative problem-solving skills and learn scientific and engineering practices such as analyzing and interpreting data through hands-on learning. *Content will be the same for each session. Weeks 1 & 2*

## Storybook Engineering

**1-week sessions.** Want to design modern endings to classic fairy tales? Get creative and engineer solutions such as a better way for Rapunzel to escape her tower, a parachute for Jack and the Beanstalk, or a re-design of Baby Bear's bed for Goldilocks. Experiment and work together to imagine solutions that don't require a prince or a Fairy Godmother! Just like a real engineer, put your math skills to use as you figure out a workable budget and purchase building supplies with limited funds. If at first, you don't succeed, try, try again! *Content will be the same each session. Weeks 1, 2, 4 & 5*

## Textile Magic

**1-week sessions.** Bring together art, science, and a little bit of magic! Stir up a dye brew with chemical precision to create colorful cotton and wonderful wools. Then transform your hand-dyed fabrics and fibers through the textile arts of weaving, stitching, and felting. Use both hocus-pocus and focus to concoct a one-of-a-kind piece of art that embodies your own personal magic. *Please dress for mess. Content will be the same each session. Week 6*

## Theater of the Wild

**1-week session.** Unleash your inner Wild Thing! Explore our local wilderness through a field trip, build camp spirit with theater games, and get inspired by nature. Then through improvisation and collaborative writing, create an original performance with costumes and scenery of your own design. Gain stage skills and confidence while becoming the next generation of caretakers for the earth. *You may register for multiple sessions; campers will write different plays each session. Weeks 5 & 6*

## Tinker Time

**1-week sessions.** Welcome to Tinker Time – a world of wonder and imagination where budding young minds in first and second grade come together for a magical experience! Students will become innovators the old-fashioned way – by tinkering. We'll build marble runs, construct balloon cars, create popsicle stick racers, build pom pom launchers, and so much more! Our camp is a playful space designed to ignite curiosity and creativity in the youngest of engineers and inventors. Join us for a week of innovation, laughter, and unforgettable memories! *Content will be the same each session. Weeks 1, 3*

## Toy Inventors

**1-week sessions.** Be your own toymaker! Examine your favorite toys to understand what makes a toy great. Then you will create one-of-a-kind contraptions and toys from recycled materials such as wheels, pipes, and other reusable odds and ends. Using hand cranks and gears, learn how you can make your toys move. Collaborate on ways to improve your designs for maximum fun. Show off your cool creations to friends and family. You're welcome to bring in your own recycled materials to add to ours. *Content will be the same each session. Weeks 2 & 3*

# 1st/2nd Grade BASE Camp

## **Weather Wonders \*NEW**

**1-week session.** We'll become mini-meteorologists as we learn about all types of weather! With hands-on experiments, we'll uncover the mystery of how different types of weather wonders form including rain, snow, clouds, tornadoes, and rainbows. We'll even create some weather of our own! We'll try our best to be outside as much as possible so we can experience our experiments with the outside world around us, so dress for the day and dress for mess. *Content will be the same each session.*

**Weeks 2 & 3**

## **Who's Outside?**

**1-week sessions.** Use 3-dimensional art techniques to sculpt the creatures we find in our gardens, parks, forests, and backyards. Explore a variety of materials as we build likenesses of the creatures we encounter in our outdoor environments. We'll use paper-mâché, wire, fiber, clay, and reclaimed or found materials to build insects, birds, snakes and small mammals. We'll experiment with a variety of finishing techniques, such as painting, texture application, and material embellishment. Please dress for a mess. *Content will be the same each session.*

**Week 3**