



Summer Lab

Adventure Kids Day Camp / Summer Lab on Stage / Summer School / Fun in the Sun / Sports Camps

Summer 2019



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Dates & Deadlines

Cancellation Refund:
April 13 (\$300 deposit is not refunded.)

Confirmation Email:
Families receive confirmation mid- to late May.

Opening Day:
June 24, 2019

End of Session I:
July 12, 2019

Start of Session II:
July 15, 2019

Last Day:
August 2, 2019

Complimentary Bus Service
is available. Check online for details.

Early Bird Discount:
Save \$150 for fully paid registration received before March 15, 2019.

Students may come for three weeks or six, may choose “full day” programs or a morning and afternoon combination. They may stick with one activity, e.g., Adventure Kids Day Camp, for all summer long, or do three weeks of Summer School plus three weeks of Adventure Kids, or six weeks of Summer Lab on Stage, plus an afternoon class. Sports Camps finish out the day between 3:30 and 5:30 p.m. at the Historic Campus, and Fun in the Sun runs between 3:15 and 5:15 p.m. at Earl Shapiro Hall. All are welcome to experience summer at the Laboratory Schools. A love of learning never goes on vacation!

Register online now at
summerlab.org

Summer School

Summer School at Lab is guided by the University of Chicago Laboratory Schools' mission, and enrollment is open to all students. The continuing challenge to which our distinguished faculty members rise each and every summer is to keep their material fresh, relevant, and truly engaging for their students. Their ability to do so is one key element — among many — that sets Summer School at Summer Lab apart. Summer School at Summer Lab is where lifelong love of learning spends the summer!

Summer School classes meet mornings, afternoons, and full day. Some run for six weeks, others for three weeks only. Please check meeting times and dates in each listing, and feel free to contact the Summer School office with questions about structuring your student's day.



Nursery & Kindergarten



Nursery School Full Day

Open to students age 3 to 5 years (age 3 by September 1)

Come and join us for a fun-filled summer program of indoor and outdoor play and learning that will include fantasy and dramatic play, arts and crafts, stories, drama, and music. Depending on the interests of the group, a special focus for the summer may be gardening, animal study, cooking, or science explorations, or a combination of these. Daily water play and opportunities in the sprinkler and wading pool are available to keep children cool! Children will stay for lunch.

Students must be toilet trained prior to participating in Summer Lab.

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Full day: 8:15 a.m.–3:15 p.m.
Instructors: Nisha Ruparel-Sen, David Williamson, and Annie Ha

Nursery School Morning

Open to students age 3 to 4 years (age 3 by September 1)

Come join us for an unforgettable explosion of summer fun! Throughout the session, children will enjoy fun-filled activities in the classroom and outdoors that will provide opportunities to explore, learn, and play. Our program includes water play in the wading pools and sprinklers. Our projects will be based on the interest and needs of the group.

Students must be toilet trained prior to participating in Summer Lab.

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Morning: 8:15 a.m.–12:15 p.m.
Instructors: Tomoko Hata and Jennifer Morris

Kindergarten



Kindergarten

Open to students entering Kindergarten (age 5 by September 1)

Children will work, play, and cook; listen to story time in the school library; work in the computer lab; play in the pool and have swimming instruction; and “eat through the alphabet.” Also, we will take class field trips to interesting places. Our goal is to provide an environment in which children can explore, learn and, most importantly, play.

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Morning: 8:15 a.m.–3:15 p.m.
Instructors: Mary Jones and Felicia Carr

Story Time

Open to students age 3 to 5 years (age 3 by September 1)

This is a camp for children who love stories ...stories that are read from books and those that are told with small props or puppets! In Story Time at Summer Lab, we make stories come to life for the children using lots of different mediums. During group time, we will tell stories together with each person adding a piece to the story. Art materials are also explored to illustrate stories that we love. We record the children telling their own stories in books and encourage them to illustrate them, making a compilation of short stories by the end of the summer. The children learn to act out their stories during group time, as they become part of the story with their friends. Stories also open up conversations about math concepts, including size comparisons, similarities and differences, categorizations, directional words, measurement, and of course, counting.

Our days at camp are very fun! We visit the library twice a week and enjoy books that the librarian has selected for us. While in the library, the children will also have an opportunity to explore books independently. We give them plenty of free time in the classroom and on the playground to create stories in their play. On warm days, we play in the wading pools on the third floor playground. We also take long walks and experience stories outside in gardens, on the University campus, and in outdoor parks. At the end of the formal camp session, the class will take a field trip to see the Summer Lab on Stage production, bringing a story to life on a formal stage.

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Full day: 8:15 a.m.–3:15 p.m.
Instructor: Jane Maciak

Grades 1–2



Clay Creations

Open to students entering Grades 1–2

Remember the excitement of bringing home a ceramic turtle you made in school? Or was it a pinch pot that still sits atop your mother's dresser? Creating with clay has a certain magic that has engaged the human mind for tens of thousands of years, and this summer your child has an opportunity let loose his or her imagination using all kinds of "tricks" used for building clay treasures. Rolling, pressing, pinching and scoring, each afternoon is a fine motor workout for small fingers as they are guided through the process of making something new! There are endless choices: a set of ice-cream bowls or tea cups, wind chimes, pretend food, a castle or log cabin bird house, a tile with their name on it, or beads for stringing into a necklace. And glistening glaze covers it all!

Session I: June 24–July 12
Afternoon: 12:15–3:15 p.m.
Instructor: Betsy Jennett



Amazing Machines: An Introduction to Rube Goldberg Engineering

Open to students entering Grades 1–2

Over the course of three weeks, students will design, build and test various simple machines, and learn how to chain them together into complex, interwoven Rube Goldberg devices. Children will learn about Rube Goldberg, his machine contests and the design philosophy behind having complicated machines perform simple tasks. They will also learn about simple machines such as pulleys, levers and inclined planes and how to incorporate them into their machines.

Session I: June 24–July 12
Afternoon: 12:15–3:15 p.m.
Instructor: Tony Mucia

ART LAB: Getting Creative with Math and Science

Open to students entering Grades 1–2

Put on your lab coat, and don't forget to bring your paintbrush! In this class we will explore concepts from math and science through the creative lens of art making. We will experiment with symmetry in string paintings and explore balance and motion while creating mobiles. Young artists will also have a chance to experience the ultimate combination of art and technology by creating a sculpture using a 3-D printer. In addition to our work in the classroom, we will spend time enjoying the warm summer weather as we go on excursions to search for patterns in nature and take field trips to the SMART Museum and the Institute for Mind and Brain on the University of Chicago campus.

Each student will receive their own notebook for sketching and lab notes throughout the session. The class will culminate in an art show where young artists can display their finished work for family and friends.

Offered Session 1 and 2. Students may take both, but a couple of projects may repeat.

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Morning: 8:15 a.m.–12:15 p.m.
Instructor: Elizabeth Parr

Back to Nature

Open to students entering Grades 1–2

Summer is a time to be outside and explore the natural world around us. Join us this summer as we connect with nature. Students will take walking field trips to neighborhood gardens and learn how to observe closely what they see in nature and write/draw their observations. They will ask questions and learn how to find answers.

Students will learn about the amazing monarch butterfly and the necessary conservation efforts required to make sure the beautiful species remains in the hearts of children forever. They will learn how to look for milkweed, find eggs, and raise monarchs safely. Students will learn about the necessary plants monarchs need and plant them! The natural world is an opportunity for children to explore what they love and what they find interesting, so it is important to follow their interests too. "In the end we will conserve that which we love, we will love only that which we understand,

and we will understand only that which we are taught." Baba Dioum. We invite your child to get...Back to Nature!

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Morning: 8:15 a.m.–12:15 p.m.
Instructor: Carin Peacock

Students will learn how to look for milkweed, find eggs, and raise monarchs safely.



Chess

Open to students entering Grades 1–2

Develop your child's intellect through the royal game of chess! Current research has shown a strong link between chess and academic performance in a variety of areas, including mathematics and language arts. Also, chess has been proven to enhance children's motivation, concentration, focus, social skills, and creativity. No previous knowledge of chess is necessary. Each class will consist of a fun interactive teaching period and guided practice time. Both beginner and experienced players are welcome and will get to the next level under the guidance of an experienced Chess Scholars coach. There will also be a chess competition with prizes at the end of the session!

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Afternoon: 12:15–3:15 p.m.
Instructor: Chess Scholars

Classics Come to Life

Open to students entering Grades 1–2

Ever wonder what would have happened in "Charlie In The Chocolate Factory" if Augustus Gloop had won the factory? Or what about what would have happened if there were 3 Alices in Wonderland? OR what if instead of lost boys, Peter Pan lead a group of Transformers!? Well anything is possible in Classics Come to Life. Students will learn teamwork, leadership, public speaking, and confidence through the use of Improv. This class will explore the world of stories told before in tandem with improvisation to create a piece of their very own to be performed at the end of the session!

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Afternoon: 12:15–3:15 p.m.
Instructor: Caraline Connor

Cooking Up Cultures

Open to students entering Grades 1–2

Come savor a "full course" of experiential learning as we "travel" our way around the globe learning about cultures—Asia to Africa, Europe to the ancient Americas, and more! Every day we will work together to slice, dice, blend, and bake as we explore some of the culinary traditions of various cultures both past and present. But that is not all! We will immerse ourselves in the literature, arts, music, games, and traditions of these far away places incorporating reading, writing, and math as they naturally arise as part of our travel adventures. Weekly field trips will allow us to experience these cultures beyond what is possible in the classroom. Guest speakers will share their first hand knowledge of a culture and country helping to deepen our understanding. Travel journals will help students document their thoughts and experiences. As students tantalize their taste buds and explore various cultures, they will engage in thoughtful discussions to discern the similarities

and differences between the people with whom we share earth. So, pack your apron and enjoy a trip around the world in our own backyard. Each summer we engage in different cultural experiences, so join us even if your child has been on the journey before.

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Morning: 8:15 a.m.–12:15 p.m.
Materials Fee: \$30 per session
Instructor: Karen DeMaio

Grades 1–2



Creative Crafts

Open to students entering Grades 1–2

Children will participate in multicultural arts-based learning projects inspired from books from all over the world. Using a variety of arts and crafts supplies, children will explore the arts with hands-on creative projects that cultivate curiosity and nurture the creative talents of young children. Some projects include making bags on cardboard looms, perler bead creations, drawing, painting, photography, and jewelry making and design.

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Afternoon: 12:15–3:15 p.m.
Instructor: Marlease Bushnell

Exploring Scientific Activities

Open to students entering Grades 1–2

This full-day hands-on program is designed to encourage students to gather and organize information about the world around them. Activities will help students learn how science describes the world we live in, how to study the world the way scientists do, and, above all, how to make science fun! Our experiments will be grouped into five sections: chemistry (substances), physics (matter to energy), biology (living things), earth science (geography, meteorology), and astronomy (study of stars and planets). Each section will include several topics and experiments.

Full Session: June 24–August 2
Full day: 8:15 a.m.–3:15 p.m.
Instructor: Marina Mardrus

First Grade Fun with the Three Rs

Open to students entering Grade 1

Join us for a summer of excitement as we gear up for first grade! This class will offer reading and writing workshop as well as an introduction to number sense and the math basics. Class activities to develop and strengthen their reading, writing, and math skills will include whole group, small group, and one-on-one instruction, and learning through interactive games. The students will have the addition of a special weekly event. The classroom teacher will provide access to portable computers and a well supplied library to best integrate the curriculum for rich learning experiences.

Students will be assessed at the start of Summer Lab to guide the teacher on how best to meet the needs of your child. Their strengths and basic skills will help inform differentiation of instruction. A post diagnostic assessment will be administered at the end of the class to identify the progress

your child makes. All assessments will be shared with parents.

This class is sure to be a fun and engaging introduction to primary school!

Full Session: June 24–August 2
Full day: 8:15 a.m.–3:15 p.m.
Instructors: Nefatiti Rochester and Eileen Wagner

Foundations for Learning to Read

Open to students entering Grade 1

This class taught by two reading and learning specialists is designed for the student who would benefit from the Orton Gillingham approach to learning to read which is structured, multisensory, and intensive. One primary cause of reading problems is difficulty processing sounds within words, which is caused by problems with phonemic awareness. Phonemic Awareness difficulty causes readers to omit, add or substitute sounds in words. This class is designed for



students who have difficulty with letter recognition skills, memorizing sight words and/or beginning blending skills, which are foundational skills for learning to read and write. Field trip experiences, swimming and special classes are included with the class to break up the day and make it a fun and rewarding experience.

Full Session: June 24–August 2
Full day: 8:15 a.m.–3:15 p.m.
Instructors: Alyssa Levitin, Lead Teacher, and Foley Burckardt, Program Supervisor and Instructor

A structured, multisensory, intensive approach to learning to read.



Growing up Global: Reading Around the World

Open to students entering Grade 2

In this course, we will read classic and contemporary children's literature, folklore, and fairy tales from a variety of countries in order to explore the very different ideas of what constitutes "childhood" from place to place and across history. We will look closely at individual works to see how even a story can reveal fascinating glimpses of cultural values and cultural difference. If there is student interest, we may try to write (and illustrate) our own children's books. We will also have a brief introduction about the countries as we read. (Occasionally, cooking dishes from the country or making a craft to enjoy!)

The main focus however will be literary engagement-creative writing, enhanced practices of reading, spelling and understanding/comprehension of the text. We will also encourage classroom discussions that will entail questions of diversity, identity and nurture global perspectives. Added to the literary session, which will form the major component of the class, we will also have an everyday session on mindfulness and creativity.

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Afternoon: 12:15–3:15 p.m.
Instructor: Puja Ghosh



INK: Reading & Writing for Second Graders

Open to students entering Grade 2

This class is for students who enjoy reading and writing challenges and are looking to make progress with these skills, while having big summer fun with like-minded classmates. We will journey through different genres, imitate techniques of some of our favorite writers and begin to discover and reveal our own writing voice. Activities such as Writers' Workshop, Literature Circles, Readers' Theatre, conflict and resolution games, character portrayals, and more will nourish and foster these young readers and writers.

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Morning: 8:15 a.m.–12:15 p.m.
Instructor: Marlease Bushnell

Literacy LAB

Open to students entering Grade 2

This class, taught by a reading and learning specialist along with classroom teachers, is tailored to meet the reading needs of each individual child. All reading instruction will be delivered in small groups based on the child's needs. The four pillars key to reading development will be covered including building automatic word recognition, decoding, fluency and reading comprehension. In addition, reading books specific to the child's level will occur on a daily basis. Reading and writing will be intermixed with special area classes and field trips. The class curriculum will be facilitated by a specialist in Orton Gillingham, the Wilson program and Step up to Writing. Progress is continually monitored throughout the program to set individual goals for students.

Full Session: June 24–August 2
Full day: 8:15 a.m.–3:15 p.m.
Instructors: Sam Perrault, Lead Teacher, and Foley Burckardt, Program Supervisor and Instructor

Makerspace

Open to students entering Grade 2

This class is designed for students who love hands-on building and constructing. Students will have the opportunity to work in the new makerspace in Earl Shapiro Hall. Throughout the course, students will be presented with a problem or challenge-based prompt that will be necessary for them to solve. They will explore, design, tinker, and invent using various tools and materials in order to arrive at a solution. The materials range from reusable and recyclable to electronics such as LEDs, motors, and wire. This class will foster collaboration skills, persistence, and innovation; characteristics your child will carry with them for the rest of their lives.

Please choose Session I or Session II. Repeats are not available.

Session I: June 24–July 12
Session II: July 15–August 2
Morning: 8:15 a.m.–12:15 p.m.
Instructor: Emily Kennedy

Mindful Me, Mindful World

Open to students entering Grades 1–2

Finding peace within ourselves is one of the first steps to creating and cultivating a peaceful world. Spend the summer practicing mindfulness and yoga through games, play, movement, arts and crafts, cooking and nature exploration. The day will be active and engaging, giving children tools to boost self-awareness and to help them approach themselves and others with kindness and curiosity. Each week we will engage in one or more service learning projects in the local community, bringing our connection to others closer, inspiring and empowering them to make a positive difference in the world.

Course content will vary. Students are welcome to attend one or both sessions.

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Morning: 8:15 a.m.–12:15 p.m.
Instructor: Elspeth Stowe-Grant

Grades 1–2



Photo Adventures!

Open to students entering Grade 2

This project-based photo journalism class is ideal for second-grade students wanting to learn about photography in a fun way. We will go on photo adventures around Hyde Park. We will learn basic digital photography techniques, how cameras work, how to take better pictures, how to use Photoshop, and we will write short stories and articles to go with many of our photos. We will end the six-week course with a photo exhibition of our work.

Students need no prior photography knowledge. We will start with the basics and have fun with all of our projects!

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Morning: 8:15 a.m.–12:15 p.m.
Instructor: Lauryn Marinho

Summer Math

Open to students entering Grades 1–2

Have fun with math this summer! Students will enjoy participating in games, projects, books, technology, puzzles, and hands-on activities that will reinforce or challenge math skills. Lessons will include whole group and small group instruction. Topics covered will relate to grade level studies and include basic operations, problem solving, fractions, telling time, money, and logic. We invite your child to join us in experiencing the wonders of mathematics!

Please choose either Session I or Session II.

Session I: June 24–July 12
Session II: July 15–August 2
Afternoon: 12:15–3:15 p.m.
Instructors: Carin Peacock (Grade 1) and Emily Kennedy (Grade 2)

Lower School



Cardboard Challenge

Open to students entering Grades 4–5

Everyone enjoys carnival games. Everyone loves piñatas! You can make them all right here at the Cardboard Challenge. The Cardboard Challenge is a fun, playful and inspiring way to foster creativity in children through a simple process called creative play. Through creative play, kids engage their imaginations and open up their minds to what's possible – and then they turn their ideas into something real. In this process, children learn to develop and test their own ideas, take chances, solve problems, get input from others and become better creative thinkers. Kids are challenged to create and build using cardboard, recycled materials and imagination.

Session II: July 15–August 2
Morning: 8:30 a.m.–12:30 p.m.
Instructor: Zackary Ruelas

Chess

Open to students entering Grades 3–5

This camp is great for both beginners and experienced players. Each class will consist of a fun interactive teaching period and guided practice time. Campers will learn opening, endgame, and positional tactics and strategies. They will also be tested for chess belts under our patented system, earning new belts as they improve during the camp. Both new and returning participants are welcome and will get to the next level under the guidance of an experienced Chess Scholars Coach. There will also be a chess competition with prizes! Each camper will take home a chess set and an award.

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Afternoon: 12:30–3:30 p.m.
Instructor: Chess Scholars



Comic Book Script Writing

Open to students entering Grades 4–5

The Avengers, Batman, The Hulk, Wonder Woman, X-Men, Spiderman and Superman. What do all these characters have in common? Great writers created them all. **Comic Book Script Writing** is an introduction to writing narrative scripts, developing a plot and theme for a comic, and formatting scripts for aspiring writers. Students will learn all the necessary tools and tricks for not only telling great stories, but for doing so in the comic medium—the language of comics. Students will learn how to conceive, outline, write—and rewrite—a complete 5-page comic book script, just the way the pros do it! Students will also learn about the history of comics through lectures and reading, discuss how a good script translates into visual medium, and have a chance to hear how their work is received through feedback from their classmates. If you've ever dreamt of writing your own comic, or want to improve your existing skills, this is the course for you.

Session II: July 15–August 2
Morning: 8:30 a.m.–12:30 p.m.
Instructor: Joseph Kerney



Creative Storyboarding

Open to students entering Grades 3–5

Does your child love movies? Photography? Graphic novels? Storytelling? Art? This class will incorporate storytelling, artistic practice, and performance into one exciting creative endeavor. We will begin by laying out our ideas and the stories we want to tell. We will use traditional filmic storyboarding techniques including drawing, organizational, and writing skills.

We will explore what it means to organize our thoughts around a story in a visual way and communicate ideas. We will work individually and collaborate on projects and research, helping one another through open, friendly and inclusive presentations. The resulting work will range from a series of artworks, photography, performance, or video/short films.

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Morning: 8:30 a.m.–12:30 p.m.
Instructor: Iris Bernblum

Darkroom Photo

Open to students entering Grades 3–5

As digital imaging becomes more and more widespread it becomes easy to forget the rich history of photography, and how fun the old-fashioned, tactile processes are. This class will acquaint students with the magic of the darkroom, as they learn the entire process of creating images. Students will learn how to create a properly exposed photograph and how the same principles apply no matter what type of camera is used. We will develop film and print from the resulting negatives on black and white paper. A 35mm SLR camera is available for each student to use during class time.

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Morning: 8:30 a.m.–12:30 p.m.
Instructor: Candice Latimer

Fantasy Engineering

Open to students entering Grades 4–5

Saving baby dragons from a castle engulfed in flames, helping gummy bears escape from a crashing plane, and getting Shrek's farm animals to safety are just three of the challenges your engineers will face in this class. If your student is interested in tinkering, building, solving problems, and using their creative genius, then this is the class for them. During this three week class we combine our love of fantasy and mythical creatures with the rigorous and creative engineering process. Students will have a chance to develop blueprints, build and test prototypes, as well as learn how to make improvements on their models. They will have a chance to use critical thinking and math skills all while deeply engaged in solving a fun problem. We also learn about the science behind each of these challenges. It is a wonderful class that fully embodies the STEAM approach to learning!

Please choose Session I or Session II. Repeats are not available.

Session I: June 24–July 12
Session II: July 15–August 2
Morning: 8:30 a.m.–12:30 p.m.
Instructor: Sushma Lohitsa

Saving baby dragons, helping gummy bears escape, getting Shrek's farm animals to safety.



Game On! Digital Game Design

Open to students entering Grades 3–4

Game On! will provide an exciting and facilitative atmosphere in which students explore and apply concepts of digital game design, computer programming, and graphic design. By the end of the summer, they will be confident using Scratch to create a FUN game that expresses their unique viewpoints, interests, and programming skills. The course will culminate with a student showcase, where parents, teachers, and peers will gather around the Summer Lab Arcade to try their luck at games which reflect the spark of each young creator.

Session I: June 24–July 12
Afternoon: 12:30–3:30 p.m.
Instructor: Micyelia Sanders

Lower School



Intensive Reading and Spelling Grade 3

Open to students entering Grade 3

This class, taught by a reading and learning specialist along with classroom teachers, is for students who need more time to solidify reading accuracy, fluency, and spelling skills. Students work in groups with whatever reading or spelling focus they need to work on. In addition, reading books specific to the child's level will occur on a daily basis. Reading and writing will be intermixed with special area classes, swimming, and field trips. Students learn to go beyond reading of the words and learn to summarize, predict, pose questions based on the text, and interact with peers to discuss books. The afternoon is devoted to developing narrative writing skills and informational writing skills involving researching a topic of interest and publishing books. The class curriculum will be facilitated by a specialist in Orton Gillingham, the Wilson program and Step Up to Writing. Progress is

continually monitored throughout the program to set individual goals for students.

Full Session: June 24–August 2
Morning: 8:15 a.m.–12:15 p.m.
Instructors: Yolanda Navarette, Lead Teacher and Foley Burckardt, Program Supervisor and Instructor

Intensive Reading and Spelling Grades 4–5

Open to students entering Grades 4–5

Taught by learning specialists, this class is for students who need more time to reinforce reading accuracy, fluency, and spelling skills. Students are placed in groups based on individual learning goals as determined by assessment. Literacy skills will be intermixed with special area classes. Spelling will be approached through analysis of roots, prefixes, suffixes as well as exposure to the 6 syllable types and rules for syllable division. Reading fluency will be developed through reader's theater, a strategy that combines reading

practice and performing to enhance students' reading skills and confidence. In addition, tongue twisters, limericks, poetry, and other fun activities will be incorporated. Students will also learn to go beyond reading of the words and practice reading comprehension strategies both through discussion and written responses. Finally, students will be introduced to literacy software designed to support students in reading and writing. The class curriculum will be taught by specialists with a background in multi-sensory instruction. Progress is continually monitored throughout the program to set individual goals for students.

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Morning: 8:30 a.m.–12:30 p.m.
Instructors: Keren Faling and Teresa Serangeli



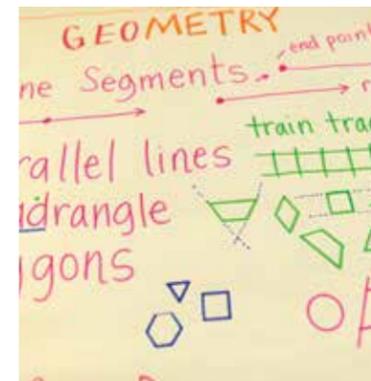
Lego Robotics

Open to students entering Grades 3–5

Students will explore the amazing world of robotics with the help of Lego Mindstorms EV3. Each week students will have the opportunity to apply their knowledge with mini-challenges and competitions such as the Maze Challenge and Robot Sumo Challenge. This class will encourage students to think like scientists and engineers as they brainstorm, design and program robots using Lego with technology. **This hands-on class will tickle the children's curiosity and creativity, sharpen their analytical thinking skills, foster team building and provide lots of fun. Students may enroll in both sessions and will progress to a higher level working on new ideas and projects.**

Material is updated year-to-year, so students are welcome to return!

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Morning: 8:30 a.m.–12:30 p.m.
Afternoon: 12:30–3:30 p.m.
Instructor: Marie-Ange Stalla



Math Literacy Workshop

Open to students entering Grade 3

Curiosity is a powerful motivation for children to read, write, and explore real world math problems. Students will engage in fun investigations, projects, or challenges to explore and solve mathematical problems introduced to them. How long does a cucumber plant grow and how much space do we need for it in our garden? How can we share cookies fairly? How can we increase a recipe? How do we figure out how many tiles we need for our new gym floor? Students will be reviewing and learning skills and concepts through fun, hands-on activities. Students will also strengthen their reading and writing skills through the process as they practice verbally sharing their thoughts and ideas and writing them in math journals. Observations will be written, ideas drawn, and relevant stories and children's literature will be read to discuss and write about mathematical ideas.

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Morning: 8:30 a.m.–12:30 p.m.
Instructor: Noha El-Sharkawy-Aref



Mighty Math Explorers

Open to students entering Grades 4–5

Mighty Math Explorers is an exciting and interactive class that will comprehensively cover age appropriate math topics. Students will reinforce and enrich knowledge and skills from basic operations with multi-digit numbers to fractions to decimals to the order of operations, data representation and interpretation, generating and analyzing patterns as well as problem solving. Topics in Geometry will include lines, angles, shape classifications, area and volume. Hands-on activities with a partner, independent computer challenges along with team competitions will reinforce daily lessons in an enjoyable and engaging way.

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Morning: 8:30 a.m.–12:30 p.m.
Instructor: Julia Kornienko

Nature Detectives

Open to students entering Grades 3–4

Use your powers of observation and experimentation to solve some of nature's mysteries! We'll investigate insects, plants, and animals in a quest to discover how nature works. How do leaves know when it is time to fall off the tree? How can a salmon travel hundreds of miles back to where it was born to lay its eggs? Why do some birds fly south for the winter, but others stay in your backyard? These are only some of nature's mysteries we'll explore.

We'll sharpen our scientific skills and also use reading, writing, math and art as we learn about the natural world. Magnifying glasses, and microscopes, collecting jars, thermometers—we'll use these tools and others. This class will spend a lot of time outdoors, observing nature up close, both nearby on our playgrounds and on field trips to parks, nature preserves, and museums.

Grab your magnifying glass and join us! Which of nature's mysteries would you like to solve?



Session II: July 15–August 2
Full day: 8:30 a.m.–3:30 p.m.
Instructor: Gwennan Ickes

Planes, Trains, & Automobiles: Engineering and Design Challenge Lab

Open to students entering Grades 4–5

Planes, Trains, & Automobiles is a class designed around engineering and the design thinking process. Each week students will be faced with different challenges where they will design, build, and test their projects against their classmates'. We will cover the engineering design process, data collection and analysis, and real world problem solving skills.

We will answer questions such as: How does mass affect the amount of force needed to move an object? How do gravity and friction act against motion? How do the four forces of flight work?



By the end of the session, students will have a good understanding of how engineers create, test, modify, and re-test their designs to create something new, improved, or both new & improved!

Session II: July 15–August 2
Morning: 8:30 a.m.–12:30 p.m.
Instructor: Micyelia Sanders

Readers and Writers Workshop III–IV

Open to students entering Grades 3–4

A day filled with reading books you enjoy, laughing about whimsical poetry and riddles, listening to stories of a favorite author, conversing about stories, and sharing your written work with friends is a day spent in Readers and Writers Workshop III–IV.

During Readers and Writers Workshop, children will have an opportunity to independently read books that pique their interest and collect their thoughts in a Readers Response Notebook. Daily mini-lessons will include explicit instruction in word

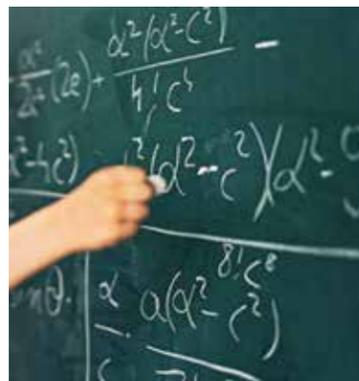
solving and comprehension strategies, as well as genre studies. During Writers Workshop, children will practice finding their own writing "voice," while internalizing the process of writing, drafting, revising for meaning, editing, and publishing. Their working drafts will be collected in a Writer's Notebook. We will also use readers' theater to instill an element of drama into our reading.

Weekly field trips will influence our selections for reading and our writing projects. Assessments will be given to determine the child's instructional reading level, fluency rate, and stage of developmental spelling.

The primary goal is to help students strengthen their reading and writing strategies by finding books of interest at their reading level and finding their writing "voice." Days spent in Readers and Writers Workshop help children develop the habit of reading and writing.

Full Session: June 24–August 2
Full day: 8:30 a.m.–3:30 p.m.
Instructor: Matt Zakosek

Lower School



Real World Math

Open to students entering Grades 4–5

Students will expand on their basic math skills using the real world math curriculum. This project-based curriculum is spiraled in such a way that students are constantly working on new skills and concepts. The projects are highly interactive, cross-curricular, creative math applications for students in grades 4–5. Most importantly, the curriculum is rich in critical thinking, problem-solving, and complexity. Some topics you can expect this year are: multiplying and dividing multi-digit numbers, adding and subtracting fractions with like and unlike denominators, decimal place value, and basic geometry concepts.

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Afternoon: 12:30–3:30 p.m.
Instructor: Carl Farrington

Social Justice: Building Toward a Better Tomorrow

Open to students entering Grades 4–5

Through the exploration of social justice topics, students will gain the following skills:

- > Analyzing topics by gathering and evaluating sources
- > Developing claims and using evidence
- > Communicating conclusions
- > Proposing actionable solutions

Students will take part in learning experiences whereby they will go on walking field trips to various departments at the University of Chicago and throughout Chicago that are at the forefront of addressing social justice topics and creating solutions to address them. The culminating project will consist of students choosing one topic, analyzing said topic, and

identifying possible solutions. A culminating project will be presented at the end of the session.

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Full day: 8:30 a.m.–3:30 p.m.
Instructor: J. Orlando Torres

Space Odyssey

Open to students entering Grades 4–5

Do you love outer space? Are you fascinated by far away galaxies? Would you like to build model rockets and lunar landers? If you answered yes to any of these questions then this is the class for you! In this class you will have a chance to build multiple model rockets, test a heat shield, save an astronaut during a lunar landing mission and learn about far off galaxies. We will develop a colony that can survive on a far off planet and create models of outer space. This is a great class for students excited about space travel, engineering and science!

Please choose Session I or Session II. Repeats are not available.

Session I: June 24–July 12
Session II: July 15–August 2
Afternoon: 12:30–3:30 p.m.
Instructor: Sushma Lohitsa

Storytelling Through Art—A Collaboration with the University of Chicago Smart Museum of Art

Open to students entering Grades 3–5

Come explore storytelling through art. We will spend time interacting with select art pieces from the University of Chicago Smart Museum of Art's collection. Exploration will include responding to art by writing our own stories, making art inspired by the pieces from the Smart collection, and taking field trips to Chicago area locations relevant to the art and stories we study. This is an amazing opportunity to slow down, look closely and make connections through art and storytelling.

Session I: June 24–July 12
Morning: 8:30 a.m.–12:30 p.m.
Instructor: Erin McCarthy

Touch Rugby: Skills & Core Values

Open to students entering Grades 3–5

Students have an opportunity to safely have fun and learn about rugby, the fastest growing sport in the USA. Class will focus on not only having fun, but incorporating fitness, as well as the core rugby values of teamwork, sportsmanship, respect and communication. Students will receive a t-shirt and rugby ball after completing the class.

It is preferred that students choose Session I or II, not both.

Session I: June 24–July 12
Session II: July 15–August 2
Afternoon: 12:30–3:30 p.m.
Instructor: Theo Gilbert

Lower & Middle School



The Wonders of Weaving

Open to students entering Grades 3–5

Experience the wonders of weaving and create a beautiful wall hanging or laptop/i-pad sleeve. Each weaver will be given a 15" lap loom and a wide assortment of fibers to experiment with. In this class we will also explore fiber-arts such as rope making and pom-pom / tassel making which can be incorporated into their final woven artwork. If you already know how to weave please join us to share your expertise and expand your weaving skills!

Campers will explore other hand-made weaving tools, rope making, and peace doll creation. Students will take home their Harrisville Lap Loom at the end of the three-week session.

Session I: June 24–July 12
Afternoon: 12:30–3:30 p.m.
Materials Fee: \$100
Instructor: Sister-Arts Studio, Inc.

Beyond the Egg Drop

Open to students entering Grades 5–8

Have you ever done an egg drop challenge? Have you ever tried to build the tallest tower possible out of paper? Have you ever designed something to solve a problem? If the answer to any of these questions is yes, then this is the course for you. Each day students will be challenged to use everyday materials to try to solve different problems. Each challenge will have particular engineering constraints and there will be time, space, and materials to design, build a prototype, test it, and then rebuild a final project to test. Throughout the course there will be an emphasis on the underlying scientific principles at work and how these ideas can be used to modify and improve different designs. Some challenges will be done in groups, and some challenges will be done individually. At the end of the class students will be given the chance to create their own design challenges for their classmates. Some

designs will work, many designs won't, but everyone will build, test, and learn from the outcome.

Session II: July 15–August 2
Afternoon: 12:30–3:30 p.m.
Instructor: Michael Wong

Dig Into Ceramic Clay – Grades 3–6

Open to students entering Grades 3–6

There is a certain magic in working with clay that has engaged the human mind for tens of thousands of years. This is an opportunity to take your child's creative spirit in new and exciting directions through the medium of ceramic clay. We will dig into fresh slabs and build something decorative or functional, architectural or figural. We will experiment with unexpected ways to use glaze beyond just adding color to pieces, and incorporate melting marbles and beach glass. Students can track their ideas in sketchbooks as they develop, and we will add photographs to document

their process. We'll explore in the fresh air for inspiration from nature and campus architecture, sketching or making clay impressions, and take a field trip to The Oriental Institute or to the pottery studio of a local artist. On the last week together, everyone will have a chance to present a group exhibit of their favorite work!

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Morning: 8:30 a.m.–12:30 p.m.
Instructor: Betsy Jennett



CSI: U of C Lab

Open to students entering Grades 5–8

This hands-on course will allow students to experience the science behind crime-scene investigations. From Locard's exchange principle to DNA testing, fingerprints, and fiber analysis, students will get to perform crime lab and crime scene techniques. Students will learn some basic biology, chemistry, and physics as a foundation to understanding these techniques. The class will discuss how real-life crime scene investigators use these techniques and others to help solve crimes. Mock crime scenes will test your skills as you reconstruct what happened during a particular crime based on the evidence you find and analyze. No prior knowledge is necessary, just curiosity and a love of science.

Session I: June 24–July 12
Afternoon: 12:30–3:30 p.m.
Instructors: Michael Wong and Tony Del Campo

Lower & Middle School



Dig Into Ceramic Clay – Grades 4–8

Open to students entering Grades 4–8

There is a certain magic in working with clay that has engaged the human mind for tens of thousands of years. This is an opportunity to take your child's creative spirit in new and exciting directions through the medium of ceramic clay. We will dig into fresh slabs and build something decorative or functional, architectural or figural. We will experiment with unexpected ways to use glaze beyond just adding color to pieces, and incorporate melting marbles and beach glass. Students can track their ideas in sketchbooks as they develop, and we will add photographs to document their process. We'll explore in the fresh air for inspiration from nature and campus architecture, sketching or making clay impressions, and take a

field trip to The Oriental Institute or to the pottery studio of a local artist. On the last week together, everyone will have a chance to present a group exhibit of their favorite work!

Session II: July 15–August 2
Afternoon: 12:30–3:30 p.m.
Instructor: Betsy Jennett

We will dig into fresh slabs and build something decorative or functional, architectural or figural.



Electronics

Open to students entering Grades 5–8

Learn about electronic components and the principles of electronics as you build many interesting and entertaining circuits like an automatic nightlight, flashing railroad lights, police siren, a lie detector and many others.

You will learn basic construction techniques including direct wiring, bread boarding, and soldering components to circuit boards. Use your new knowledge as you design and construct an independent project of your choice. Past participants have constructed model houses with lights and ceiling fans, electric quiz games and even a burglar alarm for their bedrooms. If you like electric gizmos, then this is the class for you!

Materials do not vary during sessions, therefore, repeats are not encouraged.

Session I: June 24–July 12
Session II: July 15–August 2
Morning: 8:30 a.m.–12:30 p.m.
Materials Fee: \$100



Instructor: Mark Wagner and Michael Wong (Session II Only)

Got Guts? The Inside Story

Open to students entering Grades 5–8

What do an earthworm, rat, and bird all have in common? What can we learn about ourselves by taking a peek inside different organisms? Why does a squid look tough and clear while a frog has a yellow fat body? How are these animals like us? How are they different from us? What does the inside of an eyeball look like? Let's find out! Scalpels up!

Students entering grades 5–8 have lots of questions about their bodies and the bodies of other living things. What better way to explore the answers to these questions than to take a look at organs, blood vessels, ligaments, and tendons first hand?

In this course on dissection, students will gain an appreciation of the complexity of organisms in a hands-on learning environment. They will leave Got Guts? with an understanding of basic dissection practices, how tissues



and organs are interrelated, and why the internal structures of animals and humans may look similar or different.

Session I: June 24–July 12
Morning: 8:30 a.m.–12:30 p.m.
Instructor: Micylelia Sanders

Hoopin' It Up!

Open to students entering Grades 5–9

Participants will enjoy the excitement of drafting professional players and managing their own basketball teams that will be used to compete against each other in tournaments using a head-to-head statistical-based board game. At the end of camp each camper will receive a copy of the board game to use with family and friends.

Campers also will have an opportunity to display their real life hoop skills by playing in daily full court games in the gym. The statistics theme will continue during the real life games, as campers will keep track of their team's points, rebounds, and assists when resting on the sidelines during



substitution rotations. In Hoopin' It Up! campers will develop skills in data collection, basic statistics, cooperation, and executive functioning in the context of basketball. Throughout the camp session, an emphasis will be placed on sportsmanship, healthy competition, and having fun.

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Morning: 8:30 a.m.–12:30 p.m.
Materials Fee: \$35 per session
Instructor: Matt Maciak

Innovation through Reading and Writing

Open to students entering Grades 5–6

This course is designed to teach students critical thinking skills through reading expository and fictional texts. The curriculum emphasizes higher order thinking by allowing students to analyze problems and solutions from multiple perspectives. Students will learn to show their thinking by working

in literature circles with specific tasks and projects.

In this innovative writing program, students will learn grammar and mechanics through a simulation called "Grammar Zones." This fun simulation teaches the four parts of speech in the most creative way. Emphasis will be on the fundamentals of writing and their expansion with figurative language, imagery, personification, and symbolism. Students will write descriptive narratives and expository and persuasive essays based on a series of real-life situations. DIY.org will be used for these writers workshops, asking students to respond to writing challenges and prompts to spur their inspiration and imagination.

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Morning: 8:30 a.m.–12:30 p.m.
Instructor: Carl Farrington



It's a bird, it's a plane. It's "Little Free Libraries."

Open to students entering Grades 4–6

Come along on this summer journey as we design and build "Little Free Libraries" for our community. Students will work collaboratively to create free standing libraries that will provide gently loved books to surrounding neighborhoods. Students will also write and create their own books, using hand-made binding techniques. Field trips may include Open Books, 57th Street Books and The Writers Museum. Local authors will be included as resources during the session.

Session I: June 24–July 12
Full day: 8:30 a.m.–3:30 p.m.
Instructors: Emily Forrest-Mattfield and Lisa Sukenic



Roll, Camera and Action!

Open to students entering Grades 5–8

We all know that a great movie starts with a great story. But what makes a story great—on screen? In this class, we will explore the fundamentals of filmmaking, including screenwriting, directing, shooting and editing.

During the first session, we will focus on documentaries. We will learn how to do 'subject interviews' and film 'B-roll.' We will come to understand how a documentary is 'found' by the filmmaker through editing.

During the second session, we will focus on narrative fiction filmmaking. We will write screenplays. Then, as directors, we will shoot our screenplays. Finally, we will discuss how to put fiction films together with editing.

At the end of each session, each filmmaker will take home a DVD of the film they created.

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Morning: 8:30 a.m.–12:30 p.m.
Instructor: Gita Kapila



Urban Farm Lab

Open to students entering Grades 4–6

Explore all the city of Chicago has to offer with innovation in urban farming. Learn to care for chickens, goats, and other city dwellers, grow and harvest your own food indoors with hydroponics and aquaponics, and grow and cook food from the organic Lab garden. Finally, we will spend off-campus time exploring a selection of Chicago's unique urban farms. Learn practical skills and gain a wide variety of experiences to develop your own sustainable, urban-farmer style!

Session II: July 15–August 2
Full Day: 8:30 a.m.–3:30 p.m.
Instructor: Ginger Phillips

Middle School



Pastry Delights

Open to students entering Grades 6–8

Make your summer camp experience extra delicious with this hands-on pastry camp. Learn how to make sweet creations from scratch. You will learn the fundamentals of pastry and the techniques used in creating basic preparations such as pastry dough, crème anglaise, pastry cream, mousse, and buttercream. Make fruit tartlets, cake, crème brûlée, cupcakes... and much more! Whisk away and be prepared to eat!

It is preferred that students choose Session I or II, not both.

Session I: June 24–July 12

Session II: July 15–August 2

Afternoon: 12:30–3:30 p.m.

Materials Fee: \$45 per session

Instructor: Cecilia Collar



Advanced Robotics

Open to students entering Grades 6–8

Interested in robotics? Have some experience using Lego NXT or the Lego EV3 brick for robotics? Do you enjoy engineering challenges and designing code to achieve different goals? If yes, then the Advanced Robotics program at Summer Lab might be the thing for you. Over the course of the class groups of 3–4 students will work together to design and build a robot that can be controlled remotely, as well as interact with the environment autonomously using sensory input. Groups will need to use their skills to have their robot accomplish different tasks. It will require creativity, cooperation, hard work and a desire to have fun!

Session II: July 15–August 2

Afternoon: 12:30 p.m.–3:30 p.m.

Instructor: Darren Fuller

Chefs Cook from Scratch

Open to students entering Grades 6–8

Make your summer camp experience extra scrumptious with this cooking camp. You'll learn the fundamentals of cooking, including skills like chopping, grilling, sauteeing, baking techniques, presentation, table setting and manners, while familiarizing yourself with a diversity of foods. We will build self-confidence, creativity, and a life-long skill.

No lunch boxes needed! We'll have a full sit-down lunch at the end of each day, during which we'll get to appreciate and judge our own cooking.

It is preferred that students choose Session I or II, not both.

Session I: June 24–July 12

Session II: July 15–August 2

Morning: 8:30 a.m.–12:30 p.m.

Materials Fee: \$55 per session

Instructor: Cecilia Collar

Chess

Open to students entering Grades 6–8

This camp is great for both beginners and experienced players. Each class will consist of a fun interactive teaching period and guided practice time. Campers will learn opening, endgame, and positional tactics and strategies. They will also be tested for chess belts under our patented system, earning new belts as they improve during the camp. Both new and returning participants are welcome and will get to the next level under the guidance of an experienced Chess Scholars Coach. There will also be a chess competition with prizes! Each camper will take home a chess set and an award.

Full Session: June 24–August 2

Session I: June 24–July 12

Session II: July 15–August 2

Afternoon: 12:30–3:30 p.m.

Instructor: Chess Scholars

Creative and Poetic Expression

Open to students entering Grades 6–8

This class is designed to inspire creative, poetic writing. Students will create original poetry and visual representations of their work.

Session I: June 24–July 12

Full day: 8:30 a.m.–3:30 p.m.

Instructor: Jasmine Jefferson

Darkroom Photography

Open to students entering Grades 6–8

As digital imaging becomes more and more widespread it becomes easy to forget the rich history of photography, and how fun the old-fashioned, tactile processes are. This class will acquaint students with the magic of the darkroom, as they learn the entire process of creating images. Students will learn how to create a properly exposed photograph and how the same

principles apply no matter what type of camera is used. We will develop film and print from the resulting negatives on black and white paper. A 35mm SLR camera is available for each student to use during class time.

Full Session: June 24–August 2

Session I: June 24–July 12

Session II: July 15–August 2

Afternoon: 12:30–3:30 p.m.

Instructor: Candice Latimer

Investigating Chicago

Open to students entering Grades 6–8

Experience Chicago firsthand as we explore the city's downtown and its vibrant neighborhoods. Learn how Chicago grew and changed to become the diverse and cosmopolitan city we know today. Hear from Chicago's boosters and critics, its artists, architects, photographers, musicians, filmmakers, playwrights, journalists and poets. Come with us as we take in the sights and sounds of The Loop and Navy Pier, Pilsen and other city neighborhoods.

Record your impressions of the city in field journal entries, and write a personal reflection on your own Chicago experiences. Try on the role of journalist as you write a feature article on a newsworthy event from Chicago's history. Create a biographical profile of an important Chicagoan, past or present. Write poems and short stories set in Chicago. All of those ideas might come to fruition, or you might focus on a few polished pieces to write. Best of all, take home your own portfolio of original work and reflect on your growth as a writer.

Session I: June 24–July 12

Full day: 8:30 a.m.–3:30 p.m.

Instructor: Peggy Doyle

Middle School Math Basics

Open to students entering Grades 6–8

The first level of these classes covers the necessary skills to be successful in taking a math class which requires competency in whole numbers,

fractions, decimals, order of operations, ratio and proportion, percent topics, measurement, elementary geometry topics, introductory graphical representation, introductory signed number manipulation and introductory basic equation solving.

Students who secure these skills move forward to examine concepts in signed numbers, factoring, equation solving, inequality solving, graphs, functions, relations, polynomials, parallelism, perpendicularity, congruence, and polygons. Additionally, taking notes in mathematics will be emphasized. Special emphasis will be on processing and solving word problems. A placement test will be administered prior to the start of Summer Lab to assist in homogeneous ability grouping.

Full Session: June 24–August 2

Session I: June 24–July 12

Session II: July 15–August 2

Afternoon: 12:30–3:30 p.m.

Instructors: Julia Kornienko and TBD

Say What? Writer's Workshop

Open to students entering Grades 7–8

What do you have to say? How do you want to say it?

This course will help you communicate more effectively through writing. Through games and activities, peer workshops, and individual conferences with the teacher, students will learn and practice fundamental writing skills that transfer to a variety of writing tasks.

Session one will focus on narrative writing. Students will mine their own observations and experiences to find and develop stories to share. With guidance from mentor texts, students will learn how to incorporate good details, dialogue, and literary elements. They will learn how to structure, organize, and revise their stories.

Session two will focus on argumentative writing. Students will learn the components of an effective argument and how to support their

positions with solid reasons and evidence.

Throughout the course students will participate in mini-lessons to learn and review important grammatical rules.

Full Session: June 24–August 2

Session I: June 24–July 12

Session II: July 15–August 2

Morning: 8:30 a.m.–12:30 p.m.

Instructor: Rachel Nielsen

Students will mine their own observations and experiences to find and develop stories to share.



Middle & High School



High School



The Art of Hand Drawing in Design and Architecture

Open to students entering Grades 9–12

The course introduces the design principles and skills necessary to communicate an idea to the final product. Course covers topics including design methodologies, materials, manual drafting, and model making. We will create three different designs and each student will create a model for their selected design.

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Morning: 8:30 a.m.–12:30 p.m.
Instructor: Georges S. Khoury



Interactive Engineering Design Seminar

Open to students entering Grades 9–12

The Interactive Engineering Design Seminar exposes students to real world engineering design procedures through hands on experiments and projects, as well as engineering case studies. The subject matter of study ranges from structural engineering, electrical engineering, aerodynamics, physics and chemistry.

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Morning: 8:30 a.m.–12:30 p.m.
Instructor: Marcus Eric Woods

Cycling Chicago

Open to students entering Grades 6–12

Hop on your bicycle and discover a myriad of Chicago's highlights and hidden treasures. Join our team of cyclists who spend most days pedaling on the road and bike paths. We explore the endless wonders of the lakefront trail, museums, restaurants, beaches, neighborhoods, parks, and more. We enjoy feeling the summer sun on our faces and the adventure rushing through us.

We have bike mechanics workshops teaching how to change tires and how to adjust and maintain your bike. We also discuss bike safety laws/guidelines and biking history.

Students should bring a working bicycle, helmet, and bike lock to class and wear comfortable clothes (cycling shorts are not necessary). Arrangements can be made to leave bikes overnight at school if desired.

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Morning: 8:30 a.m.–12:30 p.m.
Instructor: Ruby Koontz

Dungeons & Dragons

Open to students entering Grades 6–9

As you are exploring a dark cavern with your sword drawn, an unexpected gust of wind suddenly extinguishes your torch and you find yourself in complete darkness. As you struggle to relight your torch, you hear the heavy breathing of some sort of beast approaching from behind. What happens next? Register for Dungeons & Dragons and find out! In this camp participants will use their imaginations while working cooperatively and creatively to solve problems, tell a story, and explore new worlds through playing the fantasy role-playing game, Dungeons & Dragons. Both new players and experienced players are welcome.

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Afternoon: 12:30–3:30 p.m.
Instructor: Matt Maciak

English as a Second Language

Open to students entering Grades 6–9

Learn or improve your English with a fully qualified ESL instructor with over twenty years of experience. A variety of methods will be used, including Total Physical Response (gestures, pointing, labeling), role-play with scripts, games and songs. Adventures beyond the classroom will take students into the community to local areas of interest where they can listen to and practice the English language.

Session II: July 15–August 2
Afternoon: 12:30 p.m.–3:30 p.m.
Instructor: Will Walter

How Machines Learn

Open to students entering Grades 7–9

We are increasingly surrounded by machines that emulate abilities that we thought were human-only: they transcribe speech, recognize faces,

play games, navigate cars, and even have conversations. They do all this without being explicitly programmed. Instead, they learn from observation and experience. In this 3-week course, we embark on a journey to understand how these feats are possible.

This course showcasing machine learning is activity-based. We start with games to learn the basic ideas and understand what it even means to obtain knowledge from observations. We then pick a project topic, for instance, identifying facial emotions in photographs, determining the theme of a social media post, or playing connect-4. The project is divided into stages: collecting and exploring data, choosing features, selecting a good model (we consider linear separators and neural networks), and training the model to conform to the collected data without overexplaining it – a key concept of machine learning.

Participants are divided into groups to explore and implement each stage of the project on a computer, using interactive software. In the end, a friendly competition between groups determines which designs work best on new data, to see how well their machines have

learned from observations. Participants collect a portfolio (notes, pictures, and data) of each intermediate stage as well as of their group's final performance. One day of the course is also scheduled to be a field trip to an academic or industrial lab (or both), to see machine learning in action.

By the end of the course, we hope to clear up some of the mystery that surrounds machine learning and incite the imagination about what the future of artificial intelligence holds.

Session II: July 15–August 2
Morning: 8:30 a.m.–12:30 p.m.
Instructor: Mesrob Ohannessian

Screen Printing

Open to students entering Grades 7–9

In this fast and fun art making class, students will learn all about the screen printing process—a little bit of the history of screen printing for social change (maybe you've seen the Obama Hope poster), and a lot of hands on screen printing—posters, textiles, t-shirts, and... tote bags.

Session I: June 24–July 12
Afternoon: 12:30–3:30 p.m.
Materials Fee: \$25
Instructor: Sunny Neater-DuBow

Touch Rugby: Skills & Core Values

Open to students entering Grades 6–9

Students have an opportunity to safely have fun and learn about rugby, the fastest growing sport in the USA. Class will focus on not only having fun, but incorporating fitness, as well as the core rugby values of teamwork, sportsmanship, respect and communication. Students will receive a t-shirt and rugby ball after completing the class.

It is preferred that students choose Session I or II, not both.

Session I: June 24–July 12
Session II: July 15–August 2
Morning: 8:30 a.m.–12:30 p.m.
Instructor: Theo Gilbert

For information on classes for credit please check the website:
www.summerlab.org

Academic Approach: SAT and ACT Test Preparation

Open to students entering Grades 10–12

Academic Approach is offering two three-week intensive standardized test preparation courses: the ACT course for Session I and the SAT course for Session II.

Academic Approach emerged from a thorough evaluation by U-High administration as a preferred provider of this course. Academic Approach classrooms are more efficient and effective than other test preparation classrooms because of the level of customized teaching achieved through detailed diagnostic reports and extensive coursework. Academic Approach tutors are warm and supportive teaching professionals who make a classroom experience academically enriching, fun, and effective in raising scores.



Summer Lab on Stage

Open to students entering Grades 4–8

Full Session: June 24–August 2
Mornings: 8:30 a.m.–12:30 p.m.

Summer Lab on Stage enters its seventeenth season as a unique Summer Lab program, combining both acting and music into a theatre experience that is both fun and rewarding. Past Music Department Chair Katy Sinclair teams with Lab faculty scion Marc Piane, a former teacher at Lab and now a professional musician and jazz instructor, and art teacher Illia Mazurek to develop, stage, orchestrate, and choreograph the annual On-Stage extravaganza. These pros draw additional choreography and improvisation resources from the world-class theater scene in Chicago, and students are more confident, more self-aware, and better able to interact and collaborate with their fellow students as a result.

Summer Lab on Stage is a big confidence builder and a ton of fun. Life on the boards is like nothing else. Get ready for the driving pace of this energetic production as you'll be singing, dancing, and acting on the first day. A pair of matinees and an evening show for Summer Lab on Stage mark the culmination of students' summer success.

Summer Lab on Stage is a six-week, morning (8:30 a.m.–12:30 p.m.) program. Most students will select an afternoon activity to fill out their schedules, and many will also select Summer Lab Sports Camps for the 3:30 p.m.–5:30 p.m. time period.

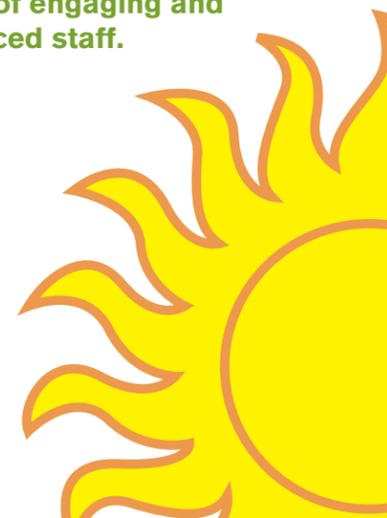
Fun in the Sun

Open to students entering Grades Nursery–2 (ESH only)

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Daily drop-ins and weekly enrollment are available.
Afternoons: 3:15 p.m.–5:15 p.m.

Spend the afternoon having a blast with friends while participating in action-packed activities. Students will indeed have a ton of fun under the sun!

Activities include arts and crafts, games, stories, cooking, and use of our indoor and outdoor play spaces, all while under the care of engaging and experienced staff.



Sports Camp

Open to students entering Grades 3–8
(Historic Campus only)

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Afternoons: 3:30 p.m.–5:30 p.m.

Summer Lab Sports Camp is a recreational sports camp for children of all ability levels. Love of the game, fair play, and good sportsmanship rank high among teaching and coaching objectives. All sports camps use Lab's state-of-the-art facilities.

Children entering third through eighth grade may select one of the following camps that they will participate in for one or both three-week sessions. Students may choose from Basketball, Gymnastics, Soccer, Swim Instruction, Tennis, and Volleyball.

Basketball

Players will learn the fundamentals including ball-handling, passing, dribbling, shooting, and team dynamics.

Gymnastics

Campers will be taught the fundamentals of tumbling, uneven bars, horse and beam. Positions covered will include hollow, arch, tuck, straddle, pike, and lunge.

Soccer

Athletes will focus on the core technical components and learn fundamentals that include shooting, trapping, passing, receiving, and dribbling.

Swimming

This camp offers lessons for all levels – first time swimmer, novice swimmer, intermediate and advanced swimmer. Skills mastered range from “drown proofing”/basic survival & water rescue to floating, kicking, and the four competitive strokes (freestyle, backstroke, breaststroke, butterfly). Team building skills are taught one time per week through group games and skill activities. No experience necessary!

Tennis

Activity will emphasize basics through concentration on serves, footwork, forehand and backhand groundstrokes, slices, volleys, topspin, lob, and drop shots.

Volleyball

This camp is designed to teach and develop volleyball skills for all experience levels. Beginner players will learn key fundamental skills such as passing, setting, serving, and basic court movement. More experienced players will have the opportunity to strengthen their skills in areas such as overhand serving, spiking, and blocking. All will participate in competitive scrimmage games.



Adventure Kids Day Camp

Open to children entering grades 1–8

Full Session: June 24–August 2
Session I: June 24–July 12
Session II: July 15–August 2
Full Day: 8:30 a.m.–3:30 p.m.

Adventure Kids Day Camp offers a safe, high-energy, and rewarding program based on core values of trust, communication, creativity, and teamwork.

Through this experience, campers and staff alike enhance their cooperative skills in areas such as self-confidence, and leadership qualities. Every day is jam-packed with fun! The rewards are as endless as the friendships and memories created.



Our Activities

Field trips every Tuesday and Thursday, specialty classes, swimming, sports and games, arts and crafts, all-camp performances, theme weeks, special event days, and local adventures.

Goals

Adventure Kids Day Camp adheres to the mission of the Laboratory Schools by offering a safe, high-energy, and rewarding program based on the core values of trust, communication, creativity, and teamwork. Through this experience, Campers and Staff alike enhance their cooperative and collaborative interpersonal skills, self-confidence, and leadership qualities. Every day is jam-packed with fun! The rewards are as endless as the friendships and memories created.

Field Trips

Water parks, Great America, sailing, kayaking, go-karting, Pump it Up, amusement parks, rock climbing and other great Chicagoland attractions are among some of the trips we have taken in years past. Each year we try new trips and bring back some old favorites.

6–8th grade campers will have an opportunity to attend our traditional overnight camping trip to Camp Duncan in July. In addition to experiencing all of the adventures of camping, they will also participate in boating, blobbing, rock climbing and high ropes courses. This a definite highlight of summer!

Specialty Classes

At various times throughout the summer, groups will participate in all that our Supervisors and Specialists have to offer. Some examples including cooking, spa day, gardening, sports conditioning, science experiments, yoga, music, dance, and more! Some specialty classes specifically offered to older groups include an opportunity to participate in specialty units in outdoor adventures. Some of these options include fishing, paddle boarding, and visits to Hyde Park’s historic treasure known as “The Point” located at the lakefront, and campus orienteering adventures.

Swimming

Adventure Kids will participate in swim lessons, games, and free swim three days a week in our indoor pool.

Sports and Games

Adventure Kids take full advantage of the extraordinary facilities at the Laboratory Schools, including the gymnastics room, dance studio, three gyms, arts and crafts center, tennis courts, enclosed soccer field, playgrounds, and more. Consistent with the core Adventure Kid values, all activities promote an all-inclusive, cooperative group dynamic.

Theme Weeks

Every week has a theme relating to the overall theme for the Adventure Kids year. Some of our favorite themes from years past include: Under the Sea, Chicago, Jungle Safari, Rock and Roll and many more!

AK Camp Idol and other Special Events

AK Camp Idol is our end of the session showcase of talents. Groups work together to develop creative, energetic, and fun dance routines that they perform on the last day of camp in front of their fellow campers, staff and an energetic crowd of fans. Parents are always invited to these awesome shows! Other special events include Luaus, Game Show Days, Barbecues, Flea Markets, etc.

Arts and Crafts

On Mondays, Wednesdays and Fridays, our Art Director will lead campers through themed projects in our on-site creativity center.

Our Staff

Adventure Kids Day Camp staff is made up of the most energetic and dedicated group of Teachers, Learning Specialists, College Students, and High School Students from the Laboratory School Community and beyond. Many of our HS Leaders have grown up in the Adventure Kids program themselves! They keep coming back!

Communication

Constant feedback from our staff, campers, and parents is one of our key Adventure Kid values. Prior to the start of each week, families receive the weekly bulletin loaded with information in regards to special events, field trips, dress up days, etc. With the fast paced, action-packed schedule of events, the bulletin, along with the on-line posted calendar, will help keep us connected. Suggestions, comments, and questions are always welcome in the Adventure Kids office year round.

Price Guide

All registrations require a non-refundable deposit of \$300 at time of booking. Registrations and full payment are due by April 13th. Registration will open January 15.

Session I: June 24–July 12

Session II: July 15–August 2

Full Session: June 24–August 2

Nursery – Grade 2 (Earl Shapiro Hall):

Early Day: 7:30–8:15 a.m.

Morning: 8:15 a.m.–12:15 p.m.

Afternoon: 12:15–3:15 p.m.

Full day: 8:15 a.m.–3:15 p.m.

Fun in the Sun (Late Day):

3:15 p.m.–5:15 p.m.

Grades 3–12 and Adventure Kids (Historic Campus):

Early Day: 7:30–8:30 a.m.

Morning: 8:30 a.m.–12:30 p.m.

Afternoon: 12:30–3:30 p.m.

Full day: 8:30 a.m.–3:30 p.m.

Sports Camp: 3:30 p.m.–5:30 p.m.

Program	Session I	Session II	Full Session
Summer School			
Morning	\$1,169	\$1,169	\$2,008
Afternoon	\$877	\$877	\$1,506
Full Day	\$1,671	\$1,671	\$3,077
Adventure Kids Day Camp			
Full Day	\$1,671	\$1,671	\$3,077
Summer Lab on Stage			
Morning	\$2,008		
Fun in the Sun (N–2nd grade)			
Afternoon	\$585	\$585	\$1,004
Sports Camp (3rd–8th grade)			
Afternoon	\$585	\$585	\$1,004
Early & Late Day***			
	Per Day	Per Week	Full Session
Early Day (N–2nd grade)	\$15	\$60	\$315
Early Day (3rd–8th grade)	\$20	\$80	\$420
Late Day (Fun in the Sun)	\$50	\$195	\$1,004

*Classes for credit are \$3,077 for 6 weeks Morning.

**ACT & SAT Test Preparation are \$1,506

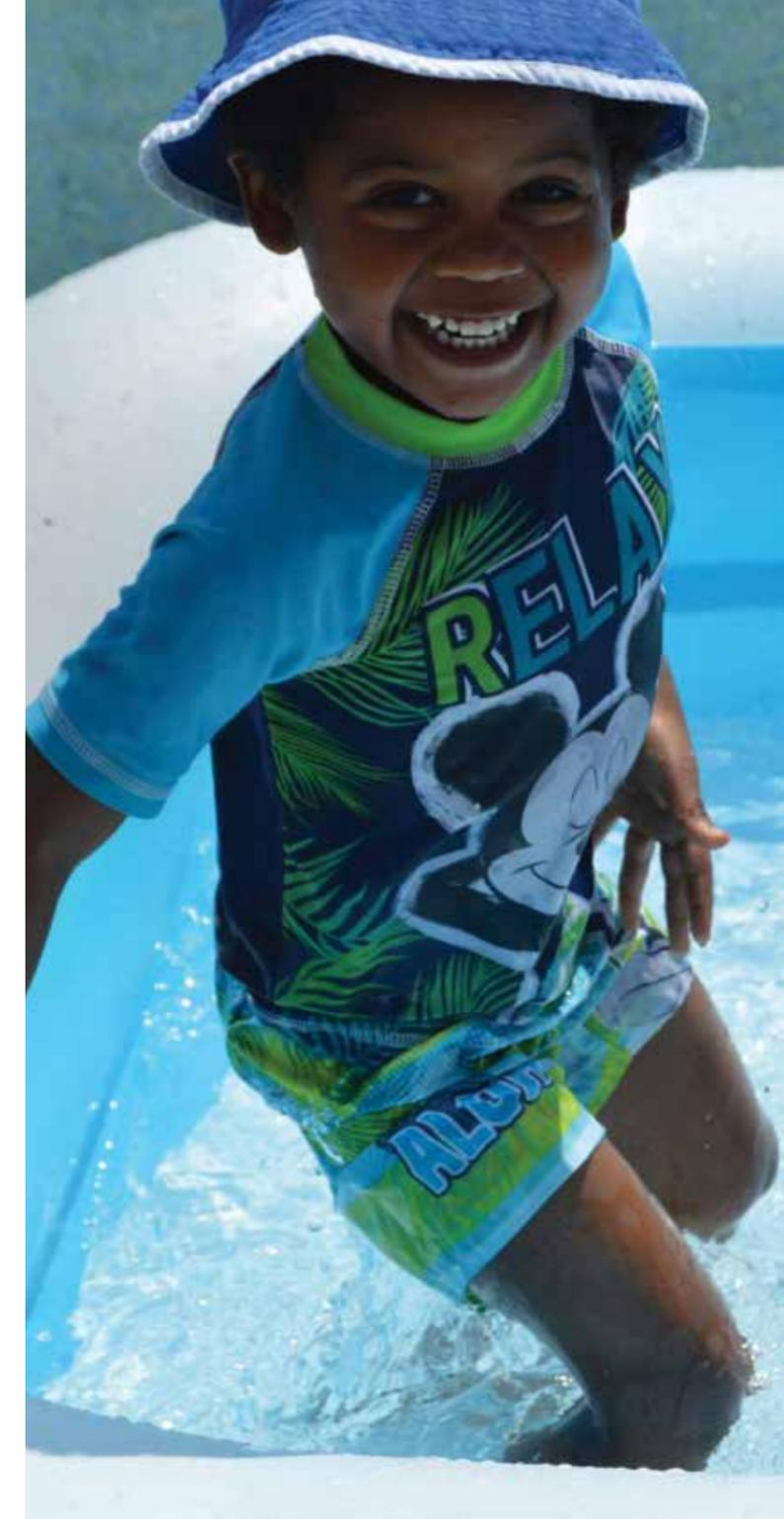
***Early Day Program: The school building opens at 7:30 a.m. for those students registered in Early Day, Early Day meets in the Blaine Lobby of the Historic Campus

(Grades 3–12) and in the lobby of Earl Shapiro Hall (Grades Nursery–2). Children will be transitioned to their morning program.

Fun in the Sun is the Late Day program that offers students a safe, supervised environment to gather, rest, and play after summer programs. Please observe pick-up times accurately; staff cannot look after

children outside of these hours. Pick-up after 5:40 pm will result in a fine of \$100 along with the possible discontinuation of the program without refund. This applies to Sports Camp pick-up as well.

Summer Lab will be closed on July 4–5 for the holiday.





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The Laboratory Schools are home to the youngest members of the University of Chicago's academic community. We ignite and nurture an enduring spirit of scholarship, curiosity, creativity, and confidence. We value learning experientially, exhibiting kindness, and honoring diversity.