

# SUMMER WONDERS WORLDS OF WISDOM AND WONDER

*Creative, dynamic programs for bright, talented  
students entering grades PreK - 8*



## The Center for Gifted

*a Northern Illinois University partner*

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*Founded in 1983, The Center for Gifted serves children who express capacity for high performance in diverse academic, intellectual, and artistic areas of intelligence, by designing and producing programs that advance their unique talents. Creative materials and strategies, and teaching that inspires critical and creative thinking, enable students to solve problems and discover new solutions. Hands-on activities and inventive modes of participation foster originality and imagination. The absence of tests and grades encourages freedom of self-expression and an eagerness to take on new challenges.*

*Studies on intelligence reveal a wide range of talents within every child. Academic testing is not the only means of identifying giftedness. Each child has a unique profile of multiple intelligences with varying degrees of expression. In a sensitive, nurturing environment, children can develop their talents and bridge their potential and achievement. Rich opportunities for growth in the expression of these talents, as well as perceptive interaction by teachers, support this unfoldment.*

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Dear Parents:

We should like to introduce your bright, talented child to programs that are supportive and nurturing of individual gifts and talents, to innovative activities designed specifically to meet the unique educational needs of gifted children: Worlds of Wisdom and Wonder, Summer Wonders, and Project 2012, all creations of The Center for Gifted, a partner with Northern Illinois University.

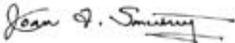
Offering an inventive, effective approach to education, Center programs provide fresh opportunities for gifted children and young people to explore diverse subjects in challenging, creative environments. Classes elicit an enthusiasm for learning and a desire to expand intellectual and artistic horizons. Often, this renewed sense of purpose significantly impacts the students' performance in their everyday school settings.

Gifted students need gifted teachers. Programs of The Center for Gifted attract outstanding professionals, experts in their fields who communicate effectively with children and reflect a genuine commitment to learning. Our faculty is responsive to varied learning styles and able to differentiate.

Bright children have more talents than they realize! As you examine our summer course offerings, encourage your child to try something new and different; and assure him or her that we are always flexible for students who wish to switch classes at any time during a program.

We look forward to welcoming you and your child this summer. Please call me or my staff if you would like to discuss any aspect of our programs. We encourage parent communication.

Cordially,



Joan Franklin Smutny, Director

Founder and Director of The Center for Gifted, Joan Franklin Smutny welcomes thousands of gifted children to year-round programs. She teaches creative writing to young students at her programs, as well as gifted education courses to graduate students at the university level. She is editor of the *Illinois Association for Gifted Children Journal*, contributing editor of *Understanding our Gifted*, and a regular contributor to *Gifted Education Communicator*, *Parenting for High Potential*, and *Gifted Education Press Quarterly*.



Joan has authored, co-authored, and edited many articles and twenty books on gifted education for teachers and parents, the most recent of which include *Discovering and Advancing Talents in Spanish-Speaking Students* (2012), *Teaching Advanced Learners in the General Education Classroom* (2012), *Parenting Gifted Children* (2011), *Manifesto of the Gifted Girl* (2010), *Differentiating for the Young Gifted Child, 2nd Edition* (2010), *Igniting Creativity in Gifted Learners, K-6* (2009), *Acceleration for Gifted Learners, K-5* (2007), and *Reclaiming the Lives of Gifted Girls and Women* (2007). In 1996, Joan received the NAGC Distinguished Service Award for her outstanding contribution to the field of gifted education. In 2012, she received the E. Paul Torrance Award in Creativity given by NAGC

Our three Sessions of Summer Wonders 2012 meet on weekdays for two weeks, each. Students may enroll in any one, two, or all three Sessions. Each is distinct! Information specific to each Session, including dates, lab fees, and course offerings, is on the three Session pages that follow.

## Morning Program:

For most students, mornings consist of three classes, chosen by the students from a variety of exciting topics. For our youngest students, we have selected courses and themes to be explored in interdisciplinary settings, through literature, art, science, drama, math, and movement.

## Full-Day Program:

For families who prefer an all-day experience, we offer an optional afternoon component. After their morning classes and lunch with their peers, students entering grades preK - 5 will enjoy hands-on discovery through a creative blend of activities, such as art, drama, science, history, computers, cooperative games, and outdoor play. Students entering grades 6 - 8 will attend the workshops described on the following page. Students bring their own lunches, including drinks.

## Application / Placement / Email

Enrollment for each Session remains open until it begins. There are no deadlines. Applications are accepted online at our website, by mail, email, fax, or in person. The address for mailing applications is: **The Center for Gifted, Box 364, Wilmette, IL 60091.**

Parents are notified of enrollment status when we have received their complete applications. Applications from students who are new to our programs are not complete until we also have received their teacher recommendations (see form and Eligibility Requirements).

**Apply early!** Students are placed in classes on a rolling basis, per application dates. Parents receive their children's individual class assignments during the week before programs begin.

**Please note:** All communications to parents will be emailed from [info@centerforgifted.org](mailto:info@centerforgifted.org). Parents must enable their email servers to receive from this address.

## Tuition / Fees / Scholarships

<b>Mornings:</b>	<b>\$355</b> (Session II: \$325)
<b>Full Day:</b>	<b>\$555</b> (Session II: \$510)

A deposit of \$60 per Session is required and must accompany application. It will be credited to tuition. The balance of tuition for each Session is due in full exactly two weeks before it begins, as are any applicable lab fees (see course descriptions). Payments are accepted by credit card, debit card, e-check, check, or money order payable to The Center for Gifted.

The \$60 deposit is non-refundable. Parents who withdraw their child before the Session begins will receive a refund of the balance paid. There are no credits, refunds or discounts for withdrawing after a Session begins, for absences or late or partial enrollments, for siblings, or for enrolling in multiple Sessions. Partial scholarships are awarded based on need. Please contact us to apply.

## Extended Care

Organized supervision and nurturing care are available 7:00-8:45 a.m. and 3:00-6:00 p.m. for students enrolled. The \$7/hour fee is payable daily, as incurred.

## Afternoon Workshops (Grades 6 - 8)

### Session I

**Computer Design and Animation:** Explore Adobe Creative Suite as you learn to manipulate images, create vector drawings, and develop Flash animations.

### Session II

**Roller Coaster Physics:** Explore forces centrifugal and centripetal, acceleration and velocity. Seek the ultimate balance of speed, thrills, and safety as you design and construct models and working mini-coasters.

### Session III

**Art and Drama Workshop:** Experiment with drawing from inside out and upside down! Examine how to draw what you see, training your eyes to perceive accurately shapes, relationships, perspectives and value shading. Study mime performance techniques and discover acting beyond words!

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*A creative, dynamic summer program for bright, talented students entering grades 6 - 12.*



# PROJECT 2012

McCracken Middle School, Skokie  
July 16 - August 3

## Morning Courses

*Writing and the Arts--Create and Publish*  
*Harry Potter-Ology*  
*Math Rocks!*  
*The Chemical Adventures of Sherlock Holmes*  
*If It Flies, We'll Build It!*  
*Computer Design and Animation*  
*World War II, 1937-1945*  
*Philosophy Cafe*  
*Electronics and Robotics Lab*  
*Filmmaking I and II*  
*Drawing and Sculpture*  
*Fashion and Costume Design*  
*Advanced Fashion Design*  
*Actors Workshop*  
*Music Composition*  
*Pop Music in Performance*

## Afternoon Workshops

*Film Noir*  
*Historic Games of Strategy and Diplomacy*  
*Web Design*  
*Science of Engineering*  
*Papa Vito's Cosmic Circus*

*Please note that Meridian Middle School is one of several roundtrip shuttle stops throughout Chicago and surrounding suburbs. Call us for a brochure or visit our website.*

**Entering PreK-K** *Students enjoy the following two classes every morning:*

**If You Give a Child Some Paper...** Let your creativity flow! Create your own art pieces that connect with literacy, math, and science.

**Mad Scientists Loose in the Kitchen:** Discover the amazing chemical phenomena happening in your pantries and refrigerators. Explore sundry savory science.

**Entering Grades 1-8** *Students enjoy three classes every morning, chosen from the following:*

**Painter's Studio:** Learn to paint like the masters! Explore the amazing things you can do with watercolors to acrylics and see how you can "paint" using some wild and unconventional materials. Try your hand at several unique painting techniques while exploring different styles of brushstrokes and tools that will create new and unusual effects in your art. [Grades 1-8](#)

**"Improv" Your Writing:** Use improvised scenes as a basis for creative writing as you work to "improv" your writing! A book of final writing projects will be sent to each participant. [Grades 3-8](#)

**Amazing Animals Around the World:** Search out intriguing animals! Investigate their habits and habitats through creative hands-on activities. Marvel at their abilities and delight in their antics! [Grades 1-2](#)

**Biological Explorations:** Investigate the natural world from a hands-on perspective. Dissect owl pellets; grow bacterial colonies and fungal gardens. Construct eco-columns with live plants and tiny organisms. (\$35 lab fee) [Grades 3-8](#)

**Electricity and Magnetism:** Wind copper wire coils and build your own equipment in a hands-on science lab. Complete an electromagnet, telegraph sounder, and simple working electric motor to take home with you. (\$30 lab fee) [Grades 3-8](#)

**Lego WeDo Robotics:** Build robots, including an alligator robot, with Legos, motors, gears, and sensors. Program your robots using a computer. Explore principles of engineering. (\$10 lab fee) [Grades 1-3](#)

**Unwrapping Ancient Egypt:** Create micro-cosmic simulations. Discover pharaohs and tradesmen, inventions and hieroglyphs, pyramids and mummies, gods and goddesses. [Grades 1-8](#)

**Geometry with an Artistic Twist:** Explore and create elements of geometric design, including 2-D and 3-D shapes, symmetry, tessellations, tangrams, and more! [Grades 1-8](#)

**Podcasting:** Welcome to the exciting world of podcasting! Research, write, record, and produce your own podcast using a variety of tools and software. [Grades 3-8](#)

**The Art of Programming:** Explore the versatile uses of Scratch to create digital greeting cards, animate stories, and design games. [Grades 2-6](#)



**!Hola Amigo!** Embark on a spirited adventure of Spanish through songs and skits, as well as art, crafts, and food. Have a great time learning *español!* [Grades 1-8](#)

**Vito's Block Museum:** Discover a portable museum of all things "blockness." Explore its diverse exhibits with their hands-on challenges with blocks of every size and description. Then design new exhibits from Vito's huge collection of blocks and set up a museum for parents and children to view and participate in on the last day. [Grades 3-8](#)

**Entering PreK-K** *Students enjoy the following two classes every morning:*

*\*no classes July 4*

**The Sea and Me:** Discover the briny deep, from colorful sea horses to legends of giant squid. Create aquatic environments. Investigate fish, whales, dolphins, and more!

**Where the Wild Things Are:** Imagine, discover, and dramatize your way through fantastic creatures and exotic places in literature. Create your own astonishing stories and wild characters.

**Entering Grades 1-8** *Students enjoy three classes every morning, chosen from the following:*

**Creative Writing:** Could paintings, films, and books inspire you to write stories and poetry? Be published in our magazine. **Grades 1-8**

**Strange Brews:** Create mystery solutions with curious chemical properties in a slightly weird, fingers-on science lab. **Grades 1-2**

**Electronics Lab:** Explore electronic components and learn basic circuitry while constructing various projects, from sirens to dice to robots! Solder, decipher technical instructions, assemble circuit boards, and read schematic diagrams. (\$50 lab fee) **Grades 4-8**

**It's in the Genes!** Why are your eyes a different color than your mother's? Why are you taller than your grandmother? Learn about dominant and recessive traits, complete Punnett Squares, and create edible DNA. Mutants may invade and clones be created! **Grades 3-8**

**Creating Games from Scratch:** Learn how to program computer games in Scratch, developed at MIT and used to create a wide variety of simple to complex games. **Grades 3-6**

**LEGO Robotics:** Engineer and program Mindstorms robots to solve challenges using gears, motors, sensors, and computers. (\$10 lab fee) **Grades 3-8**

**Traveling the Silk Road:** Walk in the footsteps of Marco Polo. Explore the wonders of ancient China and the meeting of East and West. **Grades 1-8**

**Chess Club:** Intrigued by the game of chess? Learn how to play, exploring basic openings, end games, and strategies. **Grades 1-8**

**Animals in Art:** Derive your artistic inspiration from favorite furry, feathered, and scaly friends for drawings, paintings, sculptures, and masks. **Grades 1-8**

**Musical Theater:** Grades 1-2 will perform *Jungle Party Tonight* and grades 3-4, *Guys and Dolls*. Grades 5-8 will perform a review of best songs of musical theater! **Grades 1-8**

**Chemistry: It's a Gas!** What is chemistry? Explore this question and investigate things that go pop, fizz, and swoosh. **Grades 3-8**



**Math and Science of Architecture:** Tackle construction projects with such materials as string, straws, toothpicks, and marshmallows. Design and create your buildings, towers, and bridges. **Grades 1-2**

**Introduction to Calculus:** What is calculus? Learn many basic ideas of calculus through the careful study of sequences and their difference sequences. **Grades 5-8**

**Historic Games of Strategy and Diplomacy:** Reenact history through games of strategy. Invade *Brittania*, lay iron track as an *Empire Builder*, expand empires through 4000 years of *History of the World*, or fight World War II in *Axis and Allies*. **Grades 4-8**

**Entering PreK-K** *Students enjoy the following two classes every morning:*

**World Class Explorers:** Discover wonders on every continent! Climb a volcano, stare down a kangaroo, build an igloo, and join a safari. Design, invent, dramatize, and create through hands-on activities.

**It's a Bug's Life:** Explore the world of creepy crawlies, butterflies, and ladybugs. Design an ant farm, dance like a bumblebee and throw a honey tasting party.

**Entering Grades 1-8** *Students enjoy three classes every morning, chosen from the following:*

**This is Your Country!** Form a government, establish a treasury, organize a defense system, and forge alliances. Design your flag, symbols, and currency. **Grades 3-8**

**Hey Kids, Comics!** Using a variety of software and online resources, write and illustrate your very own comic books and strips. **Grades 3-8**

**International Art:** How do people around the world express themselves through art? Create, sculpt, paint, and craft according to artistic muses of various cultures. **Grades 1-8**



**Sluehounds of Science:** Discover scientific secrets in a hands-on lab. Can spaghetti fly? How much can a sheet of paper lift? **Grades 1-2**

**Mathemagicians:** Discover secret sequences, play math games, and investigate intriguing puzzles. **Grades 1-2**

**Creating Games from Scratch:** Learn how to program computer games in Scratch, developed at MIT and used to create a wide variety of simple to complex games. **Grades 3-6**

**Poetry and Art:** Do you love to paint pictures with words? Express your creative ideas through free verse poetry and haiku. Use watercolor and colored pencil to create beautiful images that complement your poems. **Grades 2-8**

**Musical Theater:** Grades 1-2 will perform *Get in the Game*, grades 3-4, *Damn Yankees*, and grades 5-8, *How to Succeed in Business Without Really Trying*. **Grades 1-8**

**Math Puzzles, Clues, and Codes:** Unravel mysteries of math! Ponder enigmatic puzzles and perplexors. Investigate logic-based problem solving. Come one, come all to crack codes in math! **Grades 3-8**

**The 2012 Summer Wonders Olympics:** Are you ready to compete? Discover the history of the Olympics. Tackle challenges that use both mental and physical ability. Will your team win the gold, silver, or bronze? **Grades 1-6**

**Chess Club I:** Intrigued by the game of chess? Learn how to play, exploring basic openings, end games, and strategies. **Grades 1-6**

**Chess Club II:** Hone your skills and sharpen your strategic thinking by investigating advanced openings, end games, and strategies. Experienced players only. **Grades 3-8**

**LEGO Robotics I:** Engineer and program Mindstorms robots to solve challenges using gears, motors, sensors, and computers. (\$10 lab fee) **Grades 3-8**

**LEGO Robotics II:** Work with other advanced students to strategize, design, program, and race your robots. (\$10 lab fee) **Grades 3-8**

**On Thin Air - The Science of Flight:** Explore the forces affecting flight, the mechanisms invented to deal with them, and experiment with models to optimize flight. **Grades 3-8**

# WORLDS OF WISDOM AND WONDER

Entering grades PreK - 8

Our thirteen 2012 Worlds of Wisdom and Wonder summer programs, at eleven locations, meet on weekdays for two weeks, each. Students may enroll in as many as three different two-week programs. Each is distinct! Information specific to each program, including locations, dates, hours, grade levels served, lab fees, and course offerings, is on the pages that follow.

## Morning Programs:

For most students, mornings consist of three classes, chosen by the students from a variety of exciting topics. For our youngest students, we have selected courses and themes to be explored in interdisciplinary settings, through literature, art, science, drama, math, and movement.

## Full-Day Programs:

Four Worlds of Wisdom and Wonder summer programs (Beverly, Lakeview East and West, and Oak Forest) include our optional afternoon component. After their morning classes and lunch with their peers, students enrolled in the Full-Day Program enjoy hands-on discovery through a creative blend of activities, such as art, drama, science, history, computers, cooperative games, and outdoor play. They bring their own lunches, including drinks.

## Application / Placement / Email

Enrollment for each program remains open until it begins. There are no deadlines. Applications are accepted online at our website, by mail, email, fax, or in person. Application forms can be found on our brochures or printed from our website. The address for mailing applications is: **The Center for Gifted, Box 364, Wilmette, IL 60091.**

Parents are notified of enrollment status when we have received their complete applications. Applications from students who are new to our programs are not complete until we also have received their teacher recommendations (see form and Eligibility Requirements, page 22).

**Apply early!** Students are placed in classes on a rolling basis, per application dates. Parents receive their children's individual class assignments during the week before programs begin.

**Please note:** All communications to parents will be emailed from *info@centerforgifted.org*. Parents must enable their email servers to receive from this address.

## Tuition / Fees / Scholarships

<b>Mornings:</b>	<b>\$355</b>	(Elmhurst Session II: \$325)	
<b>Full Day:</b>	<b>\$555</b>	<b>Oriole Park Math Workshop</b>	<b>\$195</b>

A deposit of \$60 per two-week program is required and must accompany application. It will be credited to tuition. The balance of tuition for each program is due in full exactly two weeks before it begins, as are any applicable lab fees (see course descriptions). Payments are accepted by credit card, debit card, e-check, check, or money order payable to The Center for Gifted.

The \$60 deposit is non-refundable. Parents who withdraw their child before the program begins will receive a refund of the balance paid. There are no credits, refunds or discounts for withdrawing after a program begins, for absences or late or partial enrollments, for siblings, or for enrolling in multiple programs. Partial scholarships are awarded based on need. Please contact us to apply.

**Entering PreK-K** *Students enjoy the following two classes every morning:*

**World Class Explorers:** Discover wonders on every continent! Climb a volcano, stare down a kangaroo, build an igloo, and join a safari. Design, invent, dramatize, and create through hands-on activities.

**It's a Bug's Life!** Explore the world of creepy crawlies, butterflies, and ladybugs. Design an ant farm, dance like a bumblebee, and throw a honey tasting party!

**Entering Grades 1-8** *Students enjoy three classes every morning, chosen from the following:*

**Space Technology and Robotics:** Explore space technology by creating a robotic hand, building a Land Rover for Mars, and constructing an end-effector robot. (\$50 lab fee) [Grades 4-8](#)

**Biological Explorations:** Investigate the natural world from a hands-on perspective. Dissect owl pellets; grow bacterial colonies and fungal gardens. Construct eco-columns with live plants and tiny organisms. (\$35 lab fee) [Grades 3-8](#)



**Bubble-Ology:** Explore principles of air, density, and surface tension. Concoct solutions and experiment with their bubble-making effectiveness. Will you create the biggest, longest lasting, or craziest shaped bubble? [Grades 1-4](#)

**Traveling the Silk Road:** Walk in the footsteps of Marco Polo. Explore the wonders of ancient China and the meeting of East and West. [Grades 1-8](#)

**Mandarin Chinese:** Learn to speak simple phrases, draw basic characters, and write pinyin through creative, hands-on activities, songs, and role playing. [Grades 1-8](#)

**3-D Math:** Build polyhedra from the tetrahedron to the great rhombicosidodecahedron. Experiment with truncating and stellation. Develop spatial imagination. [Grades 3-8](#)

**Creative Writing:** Could paintings, films, and books inspire you to write stories and poetry? Be published in our magazine. [Grades 1-8](#)

**Theater Club:** Experience the exhilarating world of live theater! Develop different characters as you play theater games, rehearse skits, and perform for family and friends. [Grades 1-8](#)

**Computer Lab I:** Design your own computer game. Use interactive animation and hyperlinks coupled with slide transitions, effects, and timing. [Grades 3-8](#)

**Computer Lab II:** Advance your programming skills and design a more sophisticated game. (Prerequisite: Computer Lab I) [Grades 4-8](#)

**Painter's Studio:** Learn to paint like the masters! Explore the amazing things you can do with watercolors to acrylics and see how you can "paint" using some wild and unconventional materials. Explore different styles of brushstrokes and tools that will create new and unusual effects in your art. [Grades 1-8](#)

**LEGO Robotics I:** Engineer and program Mindstorms robots to solve challenges using gears, motors, sensors, and computers. (\$10 lab fee) [Grades 3-8](#)

**LEGO Robotics II:** Work with other advanced students to strategize, design, program, and race your robots. (\$10 lab fee) [Grades 4-8](#)

**The Art of Math:** Explore geometric designs, patterns, and tessellations. Construct models with straws, strings, paper, toothpicks, and marshmallows. Create your own 2-D and 3-D mathematical masterpieces! [Grades 1-2](#)

**Entering PreK-K** *Students enjoy the following two classes every morning:*

*\*no classes July 4*

**Outer Space Escapades:** Blast off, astronauts, to an astronomically fun, factual, and fantastic exploration of the universe! Experience the joy of discovering, creating, and learning through an interdisciplinary approach integrating science, literature, math, history, art, and drama.

**Tall Tales, Small Tales:** Imagine, illustrate, construct, and dramatize as you discover delightful tales and use your vivid imagination, sense of humor, and unique ideas to create your own.

**Entering Grades 1-6** *Students enjoy three classes every morning, chosen from the following:*

**Creative Writing:** Could posters, paintings, films, and books inspire you to write stories and poetry? Be published in our magazine.  
Grades 1-6

**Detective Science:** Can you solve the case of the missing teddy bear? What your sleuthing skills, dauntless detectives, and begin the investigation!  
Grades 1-2

**Crime Lab Chemistry:** Reconstruct the crime scene, sleuth the area for clues, and analyze forensic evidence. Piece together your findings and solve the case. Does the evidence prove your hypothesis? Can you convince your peers?  
Grades 3-6

**Theater Club:** Experience the exhilarating world of live theater! Develop different characters as you play theater games, rehearse skits and scenes, and perform for family and friends.  
Grades 1-6

**Getting to Know the World's Greatest Artists:** Discover superstars of art, from Leonardo da Vinci to pop pioneer Andy Warhol. Explore their techniques, experiment with various art mediums, and meet many great artists along the way!  
Grades 1-6

**Geometry with an Artistic Twist:** Explore and create elements of geometric design, including 2-D and 3-D shapes, symmetry, tessellations, tangrams, and more!  
Grades 1-6

**Chess Club I:** Intrigued by the game of chess? Learn how to play, exploring basic openings, end games, and strategies. All chess enthusiasts welcome!  
Grades 1-6

**Chess Club II:** Hone your skills and sharpen your strategic thinking by investigating advanced openings, end games, and strategies. Experienced players only.  
Grades 3-6

**LEGO Robotics I:** Engineer and program Mindstorms robots to solve challenges using gears, motors, sensors, and computers. (\$10 lab fee)  
Grades 3-6

**LEGO Robotics II:** Work with other advanced students to strategize, design, program, and race your robots. (\$10 lab fee)  
Grades 4-6



**Entering PreK-K** *Students enjoy the following two classes every morning:*

**World Class Explorers:** Discover wonders on every continent! Climb a volcano, stare down a kangaroo, build an igloo, and join a safari. Design, invent, and dramatize, through hands-on activities.

**It's a Bug's Life!** Explore the world of creepy crawlies, butterflies, and ladybugs. Design an ant farm, dance like a bumblebee, and throw a honey tasting party!

**Entering Grades 1-6** *Students enjoy three classes every morning, chosen from the following:*

**Creative Writing:** Could posters, paintings, films, and books inspire you to write stories and poetry? Be published in our magazine.

Grades 1-6

**Science Experiments with Toys:** Discover Mystery Eggs, Feely Balloons, Burping Bottles, and Crushing Cans. Explore the science and wonder of toys via hands-on fun and science experiments. Grades 1-2



**Carve, Model, and Create:** Sculpt using such diverse media as clay, fabric, wood, and wire. Experiment with various techniques to create your 3-D masterpieces. Grades 1-6

**Let's Build a City!** Create your model, map it out, design the parks, and plot the skyscrapers. Will you need a mega-mall? an underground? You're in charge! Grades 1-2

**Math Puzzles, Clues, and Codes:** Unravel mysteries of math! Ponder enigmatic puzzles and perplexors. Investigate logic-based problem solving. Come one, come all to crack codes in math! Grades 3-6

**Game Makers:** Invent your own board games! Design the playing field, create the rules, improvise the objects, and play it your way! Grades 1-6

**Crime Lab Chemistry:** Reconstruct the crime scene, sleuth the area for clues, and analyze forensic evidence. Piece together your findings and solve the case! Grades 3-6

**Theater Club:** Experience the exhilarating world of live theater! Develop different characters as you play theater games, rehearse skits, and perform for family and friends. Grades 1-6

**Creating Games from Scratch:** Learn how to program computer games in Scratch, developed at MIT and used to create a wide variety of simple to complex games. Grades 3-6

**Greeks, Romans, and Percy Jackson:** How did Greek gods change during the Roman Empire? Or with a modern U.S. twist? Explore the mythologies of ancient Greece and Rome, their connections with one another, and their interpretations in current fiction. Grades 3-6

**Mathemagicians:** Discover secret sequences, play math games, and investigate intriguing puzzles. Grades 1-2

**LEGO Robotics I:** Engineer and program Mindstorms robots to solve challenges using gears, motors, sensors, and computers. (\$10 lab fee) Grades 3-6

**LEGO Robotics II:** Work with other advanced students to strategize, design, program, and race your robots. (\$10 lab fee) Grades 4-6

**Entering PreK-K** *Students enjoy the following two classes every morning:* **\*no classes July 4**

**Mad Scientists Loose in the Kitchen:** Discover the amazing chemical phenomena happening in your pantries and refrigerators. Explore sundry savory science.

**Where the Wild Things Are:** Imagine, discover, and dramatize your way through fantastic creatures and exotic places in literature. Create your own astonishing stories and wild characters.

**Entering Grades 1-6** *Students enjoy three classes every morning, chosen from the following:*

**Musical Theater:** Do you like to sing and dance? Here is your opportunity! Grades 1-2 will perform *Seussical the Musical*; grades 3-4, *Beauty and the Beast*, and grades 5-6, *The Sound of Music*. Grades 3-6

**Journalism:** Do you like to investigate local happenings? Express your opinions on timely topics? Collaborate to write, edit, and produce a newspaper. Grades 3-6

**Biblio-Magic:** You're the author, illustrator, and publisher! Transform your creative ideas and vivid imagination into stories and illustrations for your own literary masterpieces. Grades 1-2

**Chess Club:** Intrigued by the game of chess? Learn how to play, exploring basic openings, end games, and strategies. All chess enthusiasts welcome! Grades 1-6

**Crystals, Lemonade, and Dancing Raisins:** Mix and swish your way through amazing, sometimes delicious, always scientific, hands-on chemistry experiments. Grades 1-2

**Physics Olympics:** Explore the principles of power and force as you create contraptions that race, run, spin, and fly. Will yours go fastest, longest, highest, or fizzle out? Grades 3-6

**Art Around the World:** Discover the art of Japan, West Africa, Mexico, and more, as you create, sculpt, paint, and craft according to artistic muses of various cultures. Grades 1-6

**The Art of Programming:** Explore the versatile uses of Scratch to create digital greeting cards, animate stories, and design games. Grades 2-6

**Harry Potter-Ology:** Immerse yourself in a wizarding world. Be sorted into a house, create your own wand, formulate spells, and play quiddich. Concoct strange potions and try butterbeer and wizard candy! Grades 3-6

**Historic Games of Strategy and Diplomacy:** Reenact history through games of strategy. Invade *Brittania*, lay iron track as an *Empire Builder*, expand empires through 4000 years of *History of the World*, or fight World War II in *Axis and Allies*. Grades 5-6

**Geometry with an Artistic Twist:** Explore and create elements of geometric design, including 2-D and 3-D shapes, symmetry, tessellations, tangrams, and more! Grades 1-6



**LEGO Robotics I:** Engineer and program Mindstorms robots to solve challenges using gears, motors, sensors, and computers. (\$10 lab fee) Grades 3-6

**LEGO Robotics II:** Work with other advanced students to strategize, design, program, and race your robots.(\$10 lab fee) Grades 4-6

**Computer Graphic Design:** Explore the art and technology of graphic design. Create posters, logos, book covers, and comics. Grades 4-6

**Entering PreK-K** *Students enjoy the following two classes every morning:*

**Travel the USA:** Explore the United States and discover its mountains, forests, and prairies, its Great Lakes, sea coasts, deserts, and swamps, its people, cultures, and history.

**How to Measure an Elephant:** Discover the math, science, and fun of calculating sizes, shapes, and volumes of things, from the ordinary to the very weird!

**Entering Grades 1-8** *Students enjoy three classes every morning, chosen from the following:*

**You Oughta Be In Pictures!** Be an actor, scriptwriter, camera person, or computer editor as we delve into the world of short films. Create an original story and bring it to life! [Grades 3-8](#)

**Computer-Aided Design:** Use Google Sketch Up to draw your own 3-D creations. This is your chance to be an architect or an industrial designer! [Grades 3-8](#)

**Lego WeDo Robotics:** Build robots, including an alligator robot, with Legos, motors, gears, and sensors. Program your robots using a computer. Explore principles of engineering. (\$10 lab fee) [Grades 1-3](#)

**Interactive Art + Tech Lab:** Build kinetic sculptures that you program to interact, react, and communicate through light, sound, and motion. Construct your artworks with Pico-Crickets, motors, sensors, LEGO bricks, and art materials. Program them with PicoBlocks software, a graphical programming language familiar to users of Scratch and LEGO MINDSTORMS. [Grades 3-8.](#)

**Electronics Lab:** Explore electronic components and learn basic circuitry while constructing various projects, from sirens to dice to robots! Solder, decipher technical instructions, assemble circuit boards, and read schematic diagrams. (\$50 lab fee) [Grades 4-8](#)

**Math and Science of Architecture:** Tackle construction projects with such materials as string, straws, toothpicks, and marshmallows. Design and create your buildings, towers, and bridges. [Grades 1-2](#)

**Let's Write!** Create free verse poetry, fractured fairy tales, and short stories that will bring imagination to life . . . so, let's write! [Grades 1-8](#)

**Painter's Studio:** Learn to paint like the masters! Explore the amazing things you can do with watercolors to acrylics and see how you can "paint" using some wild and unconventional materials. Try your hand at several unique painting techniques while exploring different styles of brushstrokes and tools that will create new and unusual effects in your art. [Grades 1-8](#)

**Musical Theater:** Grades 1-2 will perform *Jungle Party Tonight* and grades 3-4, *Guys and Dolls*, while grades 5-8 will perform a review of best songs of musical theater! [Grades 1-8](#)

**Mystery River:** Why is the fictional town of Hopewell's prized mussel population dying out? Is the river polluted? And are local chemical plants to blame? Or has a new predator invaded? Join a task force to solve the problem! [Grades 4-8](#)

**Chocolate-Ology:** Discover chocolate, from the humble cocoa bean to the world's favorite culinary delight, via history, mystery, recipes, and taste tests. [Grades 1-4](#)

**Slippery Science:** Explore slippery, slimy, delicious, but extremely scientific chemistry via hands-on projects with silly putty, gak, and other mushy stuff. [Grades 1-6](#)

**Geometric Design and Construction:** Create Escherian designs and kaleidoscopic visuals. Explore symmetry and transformations through folding Stealth Gliders, Raptors, and Space Rings. Develop geometric intuition through hands-on exploration. [Grades 3-8](#)

**Mandarin Chinese:** Learn to speak simple phrases, draw basic characters, and write pinyin through creative, hands-on activities, songs, and role playing. [Grades 1-8](#)

**Entering PreK-K** *Students enjoy the following two classes every morning:*

*\*no classes July 4*

**Mad Scientists Loose in the Kitchen:** Discover the amazing chemical phenomena happening in your pantries and refrigerators. Explore sundry savory science.

**Where the Wild Things Are:** Imagine, discover, and dramatize your way through fantastic creatures and exotic places in literature. Create your own astonishing stories and wild characters.

**Entering Grades 1-8** *Students enjoy three classes every morning, chosen from the following:*

**Online Journalism:** Be a news or features writer, columnist, arts critic, or photographer. Learn what's newsworthy, how to write and edit your article and publish it online! [Grades 4-8](#)

**The Art of Programming:** Explore the versatile uses of Scratch to create digital greeting cards, animate stories, and design games. [Grades 2-6](#)

**Sleuthhounds of Science:** Investigate scientific secrets in a hands-on lab. Can spaghetti fly? How many pounds can you lift with a sheet of paper? [Grades 1-2](#)

**Physics Olympics:** Explore the principles of power and force as you create contraptions that race, run, spin, and fly. Will yours go fastest, longest, highest, or fizzle out? [Grades 3-8](#)

**Mathemagicians:** Discover secret sequences, play math games, and investigate intriguing puzzles. Create your own number tricks to perplex your peers! [Grades 1-2](#)

**Game On with Probability:** What makes a game fair, and what are the chances of winning? Play games as you deepen your understanding of probability. Win or lose . . . we bet you'll have fun! [Grades 3-8](#)

**LEGO Robotics I:** Engineer and program Mindstorms robots to solve challenges using gears, motors, sensors, and computers. (\$10 lab fee) [Grades 3-8](#)

**LEGO Robotics II:** Work with other advanced students to strategize, design, program, and race your robots. (\$10 lab fee) [Grades 4-8](#)

**Let's Build a City!** Create your model, map it out, design the parks, and plot the skyscrapers. Will you need a mega-mall? an underground? You're in charge! [Grades 1-2](#)

**This is Your Country!** Form a government, establish a treasury, organize a defense system, and forge alliances with neighbors. Design your flag, symbols, and currency. [Grades 3-8](#)

**Interactive Art + Tech Lab:** Build kinetic sculptures that you program to interact, react, and communicate through light, sound, and motion. Construct your artworks with Pico-Crickets, motors, sensors, LEGO bricks, and art materials. Program them with PicoBlocks software, a graphical programming language familiar to users of Scratch and LEGO MINDSTORMS. [Grades 3-8.](#)

**Theater Club:** Experience the exhilarating world of live theater! Develop different characters as you play theater games, rehearse skits, and perform for family and friends. [Grades 1-8](#)

**Unwrapping Ancient Egypt:** Create micro-cosmic simulations. Discover pharaohs and tradesmen, inventions and hieroglyphs, pyramids and mummies, gods and goddesses. [Grades 1-8](#)

**International Art:** How do people around the world express themselves through art? Walk a few steps in their moccasins as you create, sculpt, paint, craft, and construct according to diverse artistic methods and muses of various cultures. [Grades 1-8](#)

**Entering PreK-K** *Students enjoy the following two classes every morning:*

**Ice Age Explorers:** Have you ever wondered how people lived during the Ice Ages? Investigate the lives of the woolly mammoth, bison, and mastadons. Make your own arrowheads and create beautiful cave paintings. A perfect way to cool off during a hot Illinois summer!

**Books Galore and More!** Explore the wonders of books! Use your vivid imagination and original ideas to create your own stories.

**Entering Grades 1-8** *Students enjoy three classes every morning, chosen from the following:*

**Creative Writing:** Could posters, paintings, films, and books inspire you to write stories and poetry? Be published in our magazine.  
Grades 1-8

**Electronics Lab:** Explore electronic components and learn basic circuitry while constructing various projects, from sirens to dice to robots! Solder, decipher technical instructions, assemble circuit boards, and read schematic diagrams. (\$50 lab fee) Grades 4-8

**Game Makers:** Invent your own board games! Design the playing field, create the rules, improvise the objects, and play it your way!  
Grades 1-8

**Bubble-Ology:** Explore principles of air, density, and surface tension. Concoct solutions and experiment with their bubble-making effectiveness. Will you create the biggest, longest lasting, or craziest shaped bubble? Grades 1-4

**Taking Art Outdoors:** Sketch and paint outdoors using watercolors, watercolor pencils, tempera paints, and oil pastels. Follow in the footsteps of the Impressionists and experiment with their techniques of capturing light.  
Grades 1-8

**Rocketry and Space Exploration:** Explore principles of aerodynamics. Design, build, and flight test your own models. Investigate NASA's space missions. Grades 3-8

**LEGO Robotics I:** Engineer and program Mindstorms robots to solve challenges using gears, motors, sensors, and computers. (\$10 lab fee) Grades 3-8

**LEGO Robotics II:** Work with other advanced students to strategize, design, program, and race your robots. (\$10 lab fee) Grades 3-8

**From Algebra to Zero:** Explore a variety of hands-on topics in mathematics, such as Algebra, Base Two, Coordinate Graphing, and more. Make an "ABC" book of math reflecting your journey. Grades 1-4

**Mysterious Math:** Unravel the mysteries of math, solve ancient puzzles, construct 3-D wonders, transform shapes, and delve into dynamic explorations. Grades 5-8

**Musical Theater:** Grades 1-2 will perform *You're a Good Man, Charlie Brown*, and grades 3-4, *Grease!* Grades 5-8 will stage a review of songs from popular musicals. Grades 1-8



**Chess Club I:** Intrigued by the game of chess? Learn how to play, exploring basic openings, end games, and strategies. All chess enthusiasts welcome! Grades 1-6

**Chess Club II:** Hone your skills and sharpen your strategic thinking by investigating advanced openings, end games, and strategies. Experienced players only. Grades 3-8

**Entering PreK-K** *Students enjoy the following two classes every morning:* **\*no classes July 4**

**Outer Space Escapades:** Blast off, astronauts, to an astronomically fun, factual, and fantastic exploration of the universe! Experience the joy of discovering, creating, and learning through an interdisciplinary approach integrating science, literature, math, history, art, and drama.

**It's a Bug's Life!** Explore the world of creepy crawlies, butterflies, and ladybugs. Design an ant farm, dance like a bumblebee, and throw a honey tasting party!

**Entering Grades 1-8** *Students enjoy three classes every morning, chosen from the following:*

**Creative Writing:** Could paintings, films, and books inspire you to write stories and poetry? Be published in our magazine. **Grades 1-8**

**Science Puzzlers:** Challenge laws of physics and chemistry! Defy gravity, melt stuff in cold air, make a ball fall uphill, and other amazing scientific phenomena. **Grades 1-2**

**Airplanes, Kites, and Rockets:** Investigate principles of aerodynamics and physics. Design, build, and test your own models. Which will fly highest? longest? fastest? **Grades 3-8**

**Mrs. Canople's LOL Club:** Do you love telling jokes or drawing funny critters? Do you want to improve your improv or get your friend to laugh louder? Fine tune your craft and earn "funny money" too. Shop at the Rubber Chicken store to rent glam props or make them yourself. Then strut your stuff where it's safe, nurturing, and, most of all, fun! **Grades 1-8**

**Creating Games from Scratch:** Learn how to program computer games in Scratch, developed at MIT and used to create a wide variety of simple to complex games. **Grades 3-8**

**LEGO Robotics I:** Engineer and program Mindstorms robots to solve challenges using gears, motors, sensors, and computers. (\$10 lab fee) **Grades 3-8**

**LEGO Robotics II:** Work with more experienced students to strategize, design, program, and race your robots. (\$10 lab fee) **Grades 4-8**

**International Art:** How do people around the world express themselves through art? Walk a few steps in their moccasins as you create, sculpt, paint, craft, and construct according to diverse artistic methods and muses of various cultures. **Grades 1-8**

**Unwrapping Ancient Egypt:** Create micro-cosmic simulations. Discover pharaohs and tradesmen, inventions and hieroglyphs, pyramids and mummies, gods and goddesses. **Grades 1-8**

**Math and Science of Architecture:** Tackle construction projects with such materials as string, straws, toothpicks, and marshmallows. Design and create buildings, towers, and bridges. **Grades 1-2**



**Geometric Design and Construction:** Create Escherian designs and kaleidoscopic visuals. Explore symmetry, transformations, and compass constructions. Develop geometric intuition through hands-on exploration. **Grades 3-8**

**Harry Potter-Ology:** Immerse yourself in a wizarding world. Be sorted into a house, create your own wand, formulate spells, and play quiddich. Concoct strange potions and try butterbeer and wizard candy! **Grades 3-8**

*\*Classes do not meet on Fridays.*

**Entering PreK-K** *Students enjoy the following two classes every morning:*

**Soaking up Science:** Swish, squish, and splash as you experiment with everyday items to understand better the world we live in. Learn how to use the scientific process to find answers to perplexing questions.

**Travel the USA:** Explore the United States and discover its mountains, forests, and prairies, its Great Lakes, sea coasts, deserts, and swamps, its people, cultures, and history.

**Entering Grades 1-8** *Students enjoy three classes every morning, chosen from the following:*

**Creative Writing:** Could paintings, films, and books inspire you to write stories and poetry? Be published in our magazine. **Grades 1-8**

**Goo, Gak, Slime:** Discover hands-on chemistry as you explore slippery substances and mushy stuff via elbow-deep, sometimes silly, but extremely scientific experiments. **Grades 1-2**



**Historic Games of Strategy and Diplomacy:** Reenact history through games of strategy. Invade *Brittania*, lay iron track as an *Empire Builder*, expand empires through 4000 years of *History of the World*, or fight World War II in *Axis and Allies*. **Grades 4-8**

**Parlez-vous français?** Discover a lively immersion environment where spoken French is encouraged through personal, social, and cultural interactions. Sing songs and play games. Travel to French-speaking countries of the world with our friend Monsieur Perroquet! **Grades 1-8**

**Electronics Lab:** Explore electronic components and learn basic circuitry while constructing various projects, from sirens to dice to robots! Solder, decipher technical instructions, assemble circuit boards, and read schematic diagrams. (\$50 lab fee) **Grades 4-8**

**Problem Solving:** Can anyone find all possible solutions to a specific problem? Explore diverse strategies in many subject areas and social settings to solve real-life problems. **Grades 1-4**

**Theater Club:** Experience the exhilarating world of live theater! Develop different characters as you play theater games, rehearse skits, and perform for family and friends. **Grades 1-8**

**Crime Lab Chemistry:** Reconstruct the crime scene, sleuth the area for clues, and analyze forensic evidence. Piece together your findings and solve the case! **Grades 3-8**

**Abracadabra Math:** Watch your mathematical abilities grow magically as you journey down the path to math. Alakaza! Strengthen math skills as you solve intriguing problems and explore the mysteries of numbers! **Grades 1-4**

**Introduction to Calculus:** What is calculus? Learn many basic ideas of calculus through the careful study of sequences and their difference sequences. **Grades 5-8**

**LEGO Robotics I:** Engineer and program Mindstorms robots to solve challenges using gears, motors, sensors, and computers. (\$10 lab fee) **Grades 3-8**

**LEGO Robotics II:** Work with more experienced students to strategize, design, program, and race your robots. (\$10 lab fee) **Grades 4-8**

**Sculpture Studio:** Create, shape, mold, and model your ideas into 3-D masterpieces of such diverse media as clay, fabric, wood, and wire. **Grades 1-8**

**Entering PreK-K** *Students enjoy the following two classes every morning:*

**Commotion in the Ocean:** Set off on an underwater adventure! Explore literature to showcase fascinating attributes of our vast oceans. Swim across the world to discover intriguing sea creatures, follow migration patterns, and visit coral reefs.

**Soaking up Science:** Swish sqish and splash as you experiment with everyday items to understand better the world we live in. Learn how to use the scientific process to find answers to perplexing questions.

**Entering Grades 1-8** *Students enjoy three classes every morning, chosen from the following:*

**Writing Around the World:** Develop your creative writing skills. Be inspired by art, music, nature, and history from around the world. Be published in our class magazine! [Grades 1-8](#)

**LEGO Robotics I:** Engineer and program Mindstorms robots to solve challenges using gears, motors, sensors, and computers. (\$10 lab fee) [Grades 3-8](#)

**LEGO Robotics II:** Work with other advanced students to strategize, design, program, and race your robots. (\$10 lab fee) [Grades 4-8](#)

**Chess Club I:** Intrigued by the game of chess? Learn how to play, exploring basic openings, end games, and strategies. [Grades 1-6](#)

**Chess Club II:** Hone your skills and strategic thinking by investigating advanced openings, end games, and strategies. [Grades 3-8](#)

**Mathemagicians:** Discover secret sequences, play math games, and investigate intriguing puzzles. Create your own number tricks to perplex your peers! [Grades 1-2](#)

**Math Puzzles, Clues, and Codes:** Unravel mysteries of math! Ponder enigmatic puzzles and perplexors. Investigate logic-based problem solving and crack codes in math! [Grades 3-8](#)

**Computer Lab:** Explore the computer and learn beginning keyboarding through a variety of programs and projects. [Grades 1-2](#)

**Creating Games from Scratch:** Learn how to program computer games in Scratch, developed at MIT and used to create a wide variety of simple to complex games. [Grades 3-8](#)

**Musical Theater:** Do you like to sing and dance? Here is your opportunity to perform in a musical! [Grades 1-8](#)

**Harry Potter-Ology:** Immerse yourself in a wizarding world! Be sorted into a house, create a wand, formulate spells, play quiddich, concoct strange potions, and try butterbeer and wizard candy! [Grades 3-8](#)



**Painter's Studio:** Explore the techniques of such artists as Seurat, Monet, and Chagall. Investigate color theory, including creating your own color wheel and experimenting with its use as an artistic tool. [Grades 1-8](#)

**Physics Olympics:** Explore the principles of power and force as you create contraptions that race, run, spin, and fly. Will yours go fastest, longest, highest, or fizzle out? [Grades 3-8](#)

**Games Galore!** Discover games that are old/new, inside/outside, loud/quiet, running/sitting. Create new games; adapt old ones. [Grades 1-4](#)

**Goo, Gak, Slime:** Discover hands-on chemistry as you explore slippery substances and mushy stuff via elbow-deep, sometimes silly, but extremely scientific experiments. [Grades 1-2](#)

**Entering PreK-K** *Students enjoy the following two classes every morning:* **\*no classes July 4**

**Commotion in the Ocean:** Set off on an underwater adventure! Explore literature to showcase fascinating attributes of our vast oceans. Swim across the world to discover intriguing sea creatures, follow migration patterns, and visit coral reefs.

**Soaking up Science:** Swish, squish, and splash as you experiment with everyday items to understand better the world we live in. Learn how to use the scientific process to find answers to perplexing questions.

**Entering Grades 1-8** *Students enjoy three classes every morning, chosen from the following:*

**Going Very Green!** Create a compost system to enrich the soil in your own garden at home. . . while using red wiggler worms! Plant an already grown flower plant, learn about decomposition, recycle leftovers to create a renewable resource, and befriend some wiggly characters. This class will foster your love for the environment and allow you plenty of time outside, all while getting your hands good and dirty! **Grades 1-8**

**Combustion and Pyrotechnics:** Investigate physical forces and chemical combinations that tend to flare, fizzle, spark, and occasionally explode. **Grades 4-8**

**Drawing from Inside Out and Upside Down:** How do you draw what you see? Train your eyes to perceive accurately shapes, relationships, perspectives, and value shading. **Grades 1-8**

**LEGO Robotics I:** Engineer and program Mindstorms robots to solve challenges using gears, motors, sensors, and computers. (\$10 lab fee) **Grades 3-8**

**LEGO Robotics II:** Work with other advanced students to strategize, design, program, and race your robots. (\$10 lab fee) **Grades 4-8**

**Creative Writing:** Could posters, paintings, films, and books inspire you to write stories and poetry? Be published in our magazine. **Grades 1-8**

**Theater Club:** Experience the exhilarating world of live theater! Develop different characters as you play theater games, rehearse skits, and perform for family and friends. **Grades 1-8**

**Creating Games from Scratch:** Learn how to program computer games in Scratch, developed at MIT and used to create a wide variety of simple to complex games. **Grades 3-8**

**Bubble-Ology:** Explore the principles of air, density, and surface tension. Concoct solutions and experiment with their bubble-making effectiveness. Will you create the biggest, longest lasting, or craziest shaped bubble? **Grades 1-4**

**The Art of Math:** Explore geometric designs, patterns, and tessellations. Construct models with straws, strings, paper, toothpicks, and marshmallows. Create your own 2-D and 3-D mathematical masterpieces! **Grades 1-2**

**Geometric Design and Construction:** Create Escherian designs and kaleidoscopic visuals. Explore symmetry, transformations, and compass constructions. Develop geometric intuition through hands-on exploration. **Grades 3-8**

## MATH WORKSHOP

**JUNE 18 - 22 8:30 - 12:00**

Are you looking for fresh challenges in mathematics?

Delve into number theory, probability, algebra, and geometry. Tackle problems and activities from Mathcounts, American Mathematics Competition, Art of Problem Solving, and more!

Discover topics and problems rarely found in a traditional classroom!

**GRADES 6 - 8**

**Entering PreK-K** *Students enjoy the following two classes every morning:*

**Ice Age Explorers:** Have you ever wondered how people lived during the Ice Ages? Investigate the lives of woolly mammoths, bison, and mastadons. Make your own arrowheads and create beautiful cave paintings. A perfect way to cool off during a hot Illinois summer!

**Mad Scientists Loose in the Kitchen:** Discover the amazing chemical phenomena happening in your pantries and refrigerators. Explore sundry savory science.

**Entering Grades 1-5** *Students enjoy three classes every morning, chosen from the following:*

**Crime Lab Chemistry:** Reconstruct the crime scene, sleuth the area for clues, and analyze forensic evidence. Piece together your findings and solve the case! Grades 3-5

**Floating Away on Waves and Wind:** Test the properties of water and air through hands-on experiments. Explore the importance of water and air in our lives. Grades 1-4

**Creative Writing:** Could posters, paintings, films, and books inspire you to write stories and poetry? Be published in our magazine. Grades 1-5

**Chocolate-Ology:** Discover chocolate, from the humble cocoa bean to the world's favorite culinary delight, via history, mystery, recipes, and taste tests. Grades 1-5

**Lego WeDo Robotics:** Build robots, including an alligator robot, with Legos, motors, gears, and sensors. Program your robots using a computer. Explore principles of engineering. (\$10 lab fee) Grades 1-2

**LEGO Mindstorms Robotics I:** Engineer and program Mindstorms robots to solve challenges using gears, motors, sensors, and computers. (\$10 lab fee) Grades 3-5

**LEGO Mindstorms Robotics II:** Work with other advanced students to strategize, design, program, and race your Mindstorms robots. (\$10 lab fee) Grades 4-5

**The Art of Math:** Explore geometric patterns, tessellations, and designs. How do various cultures combine math and art? Create your own mathematical masterpieces! Grades 1-2

**Geometric Design and Construction:** Create Escherian designs and kaleidoscopic visuals. Explore symmetry and transformations. Develop geometric intuition through hands-on exploration. Grades 3-5



**Creating Games from Scratch:** Learn how to program computer games in Scratch, developed at MIT, and used to create a wide variety of simple to complex games. Grades 3-5

**Painter's Studio:** Learn to paint like the masters! Explore the amazing things you can do with watercolors to acrylics and see how you can "paint" using wild and unconventional materials. Try your hand at several unique painting techniques while exploring different styles of brushstrokes and tools that will create new and unusual effects in your art. Grades 1-5

**Theater Club:** Experience the exhilarating world of live theater! Develop different characters as you play theater games, rehearse skits and scenes, and perform for family and friends. Grades 1-5

Bright, talented, motivated students, entering grades PreK-8th, from any city or educational setting, whether public, private, parochial, or home school, are eligible. They need not be enrolled in school gifted programs. Test scores are requested, but are not the sole criterion. PreK students must be 4 years old by June 1.

Enrollees generally rank at or above the 95th percentile in some areas. We recognize and discern the great variety of talents and abilities that students express. Parents may request a conference with the Director regarding their individual child.

**New students** must submit completed and signed teacher recommendation forms (see form below or print one from our website).

**Returning students** do not require teacher recommendations. They are eligible upon our timely receipt of their applications.

**Ideal candidates typically evidence many of the following talents and gifts:**

- Express curiosity and creativity
- Enjoy challenges
- Ask thoughtful questions
- Have unique problem-solving abilities
- Are keenly observant
- Have well-developed imaginations
- Demonstrate talent in art, music, writing, or drama
- Act independently and with initiative
- Have extensive vocabularies
- Use complex language skills
- Discuss and elaborate on ideas
- Use learned information in new contexts
- Show ability to place objects in logical sequence
- Enjoy reading
- Create and tell stories
- Exhibit wit and humor
- Have sustained attention spans
- Have good memories

----- (detach here) -----

**The Center for Gifted - A Northern Illinois University Partner - Summer 2012**  
 Teacher Recommendation - Worlds of Wisdom and Wonder - Summer Wonders

Student's full name \_\_\_\_\_

Name & city of school \_\_\_\_\_

Fall 2012 grade level: \_\_\_\_\_ Is student in your school's gifted program? \_\_\_ yes \_\_\_ no \_\_\_ don't have one

Would you recommend this student for our program(s)? \_\_\_ yes \_\_\_ no \_\_\_ see comments

**Please rank:**      exceptional      above avg.      avg.      below avg.

general work	4	3	2	1
commitment	4	3	2	1
creativity	4	3	2	1
motivation	4	3	2	1

Teacher's signature \_\_\_\_\_

Date \_\_\_\_\_

Comments (special talents, abilities, achievements, etc.): \_\_\_\_\_

**Standardized Achievement Testing:**

Name of test: \_\_\_\_\_

Date administered: \_\_\_\_\_

**Scores:**

Reading \_\_\_\_\_ Language \_\_\_\_\_

Math \_\_\_\_\_ Science \_\_\_\_\_

Total battery \_\_\_\_\_ Other \_\_\_\_\_

*Scores are not required of students who have not been tested.*

# Application for Admission • Summer 2012

## Worlds of Wisdom and Wonder / Summer Wonders

Office use only: p \_\_\_\_\_ \$ \_\_\_\_\_ # \_\_\_\_\_ d \_\_\_\_\_ sa-\$ \_\_\_\_\_ s \_\_\_\_\_ pif rec

**Please print.** Complete a separate application for each student. Mail with your deposit (check, money order, or credit or debit card authorization) to: **The Center for Gifted; Box 364; Wilmette, IL 60091.** Call or email with questions: 847-901-0173; info@centerforgifted.org.

Student's full name \_\_\_\_\_ Birth date (mm/dd/yy) \_\_\_\_\_

Gender: \_\_\_\_\_ male \_\_\_\_\_ female Circle student's 2012/2013 grade level: PK K 1 2 3 4 5 6 7 8

Name of current school \_\_\_\_\_ Location (city) of current school \_\_\_\_\_

Has student participated in a previous CFG program? \_\_\_\_ yes \_\_\_\_ no

Has any other child in the family participated in a previous CFG program? \_\_\_\_ yes \_\_\_\_ no

Recommendation is (check one) \_\_\_\_ enclosed \_\_\_\_ to follow \_\_\_\_ not required (is returning student)

Full name of parent/guardian \_\_\_\_\_

Address \_\_\_\_\_ City, state, zip \_\_\_\_\_

Phones: Home \_\_\_\_\_ Cell \_\_\_\_\_ Other \_\_\_\_\_

Relationship to student \_\_\_\_\_ Are you interested in carpooling? \_\_\_\_ yes \_\_\_\_ no

Family email address for all program info: \_\_\_\_\_

I hereby grant The Center for Gifted permission to photograph this student and publish any such images and any of his/her work on its website, in its publications, both digital and print, and in other media controlled or approved by The Center for Gifted. I will make no monetary or other claim against The Center for Gifted for its ethical and appropriate use of these items.

Parent/guardian signature \_\_\_\_\_ Date \_\_\_\_\_

### Program and Course Selections:

Circle the program(s) below to which this student is applying. ***If your program has a full-day option, be sure to indicate which option you are requesting.*** Review the course offerings on the program pages, carefully noting the program dates and locations and the grade levels for each course. Select the student's three favorite courses and two alternates, listing them below in order of preference. We place as many students as possible in their favorite courses. Student's alternate choices are considered as scheduling and enrollment require. ***Students are placed with their age peers, usually with two grade levels per classroom. Students entering PreK and Kindergarten do not need to list courses.***

Buffalo Grove I* Elmhurst I Grayslake *Select: ____ Morning ____ Full-Day a. _____ b. _____ c. _____ d. _____ e. _____	Naperville South Oak Forest* Math Workshop *Select: ____ Morning ____ Full-Day a. _____ b. _____ c. _____ d. _____ e. _____	Buffalo Grove II* Beverly* Elmhurst II *Select: ____ Morning ____ Full-Day a. _____ b. _____ c. _____ d. _____ e. _____	Lakeview West* Naperville North Oriole Park *Select: ____ Morning ____ Full-Day a. _____ b. _____ c. _____ d. _____ e. _____	Buffalo Grove III* Burr Ridge *Select: ____ Morning ____ Full-Day a. _____ b. _____ c. _____ d. _____ e. _____	Lakeview East* Skokie *Select: ____ Morning ____ Full-Day a. _____ b. _____ c. _____ d. _____ e. _____
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**Payment:** Application must include at least the required deposit of \$60 per two-week program.

**Total enclosed or authorized:** \$ \_\_\_\_\_ Check if full tuition is enclosed

**Check one:**

\_\_\_\_\_ My check or money order for the above amount payable to The Center for Gifted is enclosed.

\_\_\_\_\_ Charge my credit or debit card for the above amount. Card type is: \_\_\_\_\_ MasterCard \_\_\_\_\_ Visa

Credit card number \_\_\_\_\_ Expiration date: \_\_\_\_\_

Cardholder's name (as printed on card) \_\_\_\_\_ Cardholder's zip code \_\_\_\_\_

Authorized signature \_\_\_\_\_ Today's date \_\_\_\_\_