Innovative summer 2015 programs to challenge curious minds!

- Chemistry
- Physics
- Graphic Design
- Creative Writing
- Art
- Computers
- Game Design
- Theater
- Chess
- Robotics
- Math
- STEM
  ... and more!

Worlds of Wisdom and Wonder

Skokie
McCracken Middle School
8000 East Prairie Rd.
July 6-17

Glenview *
The Center for Gifted
1926 Waukegan Rd.
* Grades 1-6

Session I: July 20-24
Session II: July 27-31
Session III: August 3-7
Session IV: August 10-14
Session V: August 17-21

Flexible Schedule! • Grades PreK - 8
Extended Care Available at Glenview Location!

Igniting Creativity and Scientific Discovery!
www.centerforgifted.org
**Worlds of Wisdom and Wonder**

*Worlds of Wisdom and Wonder programs* are designed for bright, motivated young learners who welcome dynamic opportunities to explore diverse subjects in a challenging, creative environment. The development of problem-solving skills, creativity, and critical thinking is inherent in the framework for all courses and programs. Projects and activities evoke active, hands-on participation.

**Skokie**

**AM Program:** 9:00-11:40  
**PM Program:** 12:30-3:00  
**Full Day:** 9:00-3:00

**Glenview**

**AM Program:** 9:00-11:40  
**PM Program:** 12:20-3:00  
**Full Day:** 9:00-3:00

*Extended care:* 7:00-9:00 and 3:00-6:00

**Eligibility**

Bright, motivated students entering PK - 8th grade in fall 2015, from any educational setting—whether public, private, parochial, or home school—may apply.

**New students**, who never have attended a CFG program, should be recommended by a teacher. A completed and signed recommendation form (available at www.centerforgifted.org) may be submitted with application or mailed, faxed, or emailed separately. In cases where a teacher recommendation is not available, applicants may submit a copy of their most recent grade report.

Applicants need not be enrolled in advanced programming at their schools; test scores are not the sole criterion for our programs. Although our students generally rank at or above the 95th percentile in many areas, we recognize and discern the great variety of talents and abilities that young people express. If uncertain about their child's eligibility, parents are encouraged to request a conference with the CFG Director.

**Returning students** (those who have successfully attended any previous CFG program) do not require a teacher recommendation. They are eligible upon our timely receipt of their applications.

**Application**

Applications are accepted online at www.centerforgifted.org; by mail to The Center for Gifted, Box 364, Wilmette, IL 60091; by fax to 847-901-0179; or by email to info@centerforgifted.org; or in person at 1926 Waukegan Road in Glenview. There are no application deadlines.

A deposit of $80 per session is required with application and will be credited to tuition. The balance of tuition and lab fees (if any) is due in full two weeks before the program begins. Payments are accepted by check or money order payable to The Center for Gifted, Visa, MasterCard, Discover, e-check, and cash.

Need-based financial assistance is available. To apply, a financial assistance form (available online at www.centerforgifted.org) and accompanying documents must be submitted.

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**Joan Franklin Smutny**, Founder and Director of the Center for Gifted / Midwest Torrance Center for Creativity, is the author of 21 books and many articles on gifted education, and the recipient of awards for her contribution to the field of gifted, including the National Association for Gifted Students’ Distinguished Service Award and their E. Paul Torrance Award in Creativity.
**Art Adventures:** Immerse yourself in artistic endeavors such as printmaking, portraiture, sculpture, botanical art, and wearable art. Discover how the world is a richer place to live due to the contributions of artists. Grandma Moses, a self-taught artist, didn’t get started until she was 78!

**Art Unlimited:** Does art ignite creativity in you? Pursue your own unique avenues of artistic expression. Create your own masterpieces that express your muse and the fun of being an artist.

**Chemical Conjurations:** Explore chemistry via hands-on experiments. Concoct solutions, investigate molecular structure, and create explosive reactions!

**Chess Club:** Explore exciting strategies, sneaky openings, and skillful end games. All chess enthusiasts welcome!

**Coding, Electronics, and Microcontrollers:** Learn the basics of electronics and coding by developing interactive objects! Take inputs from a variety of switches or sensors and control lights, motors, and other physical outputs using a microcontroller and writing software for the board. ($10 lab fee)

**Crazy Chemical Concoctions:** Mix and swish your own strange brews and cause fascinating chemical reactions. Experiment with acids, bases, liquids and powders in a hands-on chemistry lab.

**Create a Lego Movie!** Using a digital camera, movie software, and Lego robots, create a stop-action movie. Experiment with special effects, sound, and titles. Share your movie with family and friends! ($10 lab fee)

**Creating Games from Scratch I and II:** Learn how to program a variety of different computer games in Scratch. Scratch is a free programming language developed at MIT that can be used to create a wide range of simple to complex games. (Please note: Beginning students will be placed in level I; intermediate and advanced students will be placed in level II; the level II curriculum assumes prior experience.)

**Creative Writing:** Do you like to write? Hone your skills and heighten your imagination through free verse and a variety of stories in response to posters, magazines, books, CD’s and films. See your stories and poems published in our creative writing magazine.

**Dinosaurs, Fossils, and Digs:** What can fossils teach us? Through imaginative, hands-on activities, discover how paleontologists dig for fossils and analyze their findings. Investigate fascinating dinosaurs, from ankylosaurus to zuniceratops.

**Eclectic Science Lab:** Explore various fields of science! Investigate biology, chemistry, astronomy, physics, and nature through hands-on experiments and challenging activities.

**Economics, the Stock Market, and You!** Do you like money? Do you know how to make your money grow? How companies make money? How the stock market works? Follow the stock market and investigate how and why businesses are successful.

**International Art:** Create, emulate, sculpt, paint, craft, or construct as you explore exciting, diverse artistic media, methods, and muses of exotic cultures.

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

**Lego Mindstorms Robotics I:** Tackle engineering challenges! Construct an autonomous robot from motors, wheels, gears, and a variety of different sensors. Program your robot to complete tasks of increasing complexity. ($10 lab fee)

**Lego Mindstorms Robotics II:** Work with other advanced students to strategize and experiment as you design, construct, and program your robots. ($10 lab fee)

**Lego WeDo Robotics:** Build robots, such as an alligator, with Legos, motors, gears, and sensors. Program your robots using a computer. ($10 lab fee)

**Let's Engineer and Build a City!** What would your ideal city look like? Map out your city and create a model. Design parks, shopping districts, skyscrapers, and more. You're in charge!

**Math Games and Problem Solving:** Discover the power of logical reasoning via math games, puzzles, and problems. Investigate winning strategies and explore your own variations.

**Math Puzzles, Clues, and Codes:** Unravel mysteries of math! Ponder enigmatic puzzles and perplexors. Investigate logic-based problem solving.

**Mathemagicians:** Discover secret sequences, play math games, and investigate intriguing puzzles. Create your own number tricks to perplex your peers!

**Medieval Mania:** Immerse yourself in medieval history and legend. Walk into the age of knights, wizards, and unicorns. Design a castle and create your own coat-of-arms. Celebrate with a medieval feast!

**Microbiology:** Delve into the unseen world! Investigate microscopic life, grow bacterial gardens, and sleuth out fungi and algae. Just how disgusting are drinking fountains? Or your dirty socks?

**Mysteries, Clues, and Codes:** Uncover schemes and break secret codes. Sleuth for clues, deduce conclusions, and crack cases to solve mysteries.

**Ooey, Gooey Chemistry:** Get your hands dirty! Investigate and experiment with chemical mistakes that have brought us great fun, such as Silly Putty, Goop, Gak, and Floam.

**Paleontology:** Organize a dig and embark on a simulated expedition to unearth fossils millions of years old. Analyze fossils of shells, plants, and ancient creatures, such as trilobites, pre-historic giant dragonflies, and the great diversity of dinosaurs. Ponder paleozoological puzzlemes!

**Physics Olympics:** Create contraptions that utilize principles of power and force to race, run, spin, and fly. Will yours go fastest? longest? highest? or fizzle out?

**Princesses, Knights, and Dragons:** Discover your favorite princesses, bravest knights, and their adventures with dreadful dragons. Imagine life in a castle. Create stories and fairy tales. Celebrate with a medieval feast!

**Pyramids, Mummies, and Science of Ancient Egypt:** How did ancient Egyptians accomplish the engineering feat of building the pyramids? Or irrigating their crops? What were the many creative uses for papyrus? How did mummification work? Discover the science and mythology behind the accomplishments of the people of ancient Egypt.

**Rainforest Adventures:** Create, construct, and inhabit a simulated rainforest with flora and fauna, monkeys on vines, parrots in treetops, and pink dolphins in the Amazon River.

**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 lab experiments.

**Slippery Science:** Explore slippery, slimy, delicious but extremely scientific chemistry via hands-on experiments with Silly Putty, Super Balls, ice cream, chewing gum, and other polymers.

**Snap! Crackle! Pop!** Mix, swish, and create chemical concoctions that may pop, fizz, and sometimes explode as you explore chemistry via hands-on experiments.

**Space Explorers:** Blast off, astronauts, to an astronomically fun, factual, and fantastic exploration of the universe! Experience the joy of discovering, creating, and learning via science, literature, math, history, art, and drama.

**Strange, Sturdy Sculpture:** Have you gazed at a sculpture and wondered how it was made? Have you tried to test the limits of gravity and balance? Make sculptures out of different mediums through a variety of processes.

**Theater Club:** Experience the exhilarating world of live theater! Develop characters as you play theater games and rehearse scenes, culminating in a performance for family and friends.
Application: Summer 2015 Worlds of Wisdom and Wonder

Skokie | Glenview

Office use: p_________________ $_________________ #_________________ d_________________ sa$_________________ s______________________       pif       rec

Please print. Please use dark ink. Use a separate application for each child. Mail, fax, or email with required deposit(s) to: The Center for Gifted, Box 364, Wilmette, IL 60091; 847-901-0179 (fax); info@centerforgifted.org (email); or apply online at www.centerforgifted.org. Telephone: 847-901-0173.

Student’s full name ___________________________ Full birth date ______________________ Gender: ____ male ____ female

Fall 2015 grade level: PK 1 2 3 4 5 6 7 8 Name and city of school _____________________________

Has this student participated in any previous CFG program? _____ yes _____ no Has any other child in this family ever participated? _____ yes _____ no

Recommendation is _____ enclosed _____ to follow _____ not required (returning student) Are you interested in car pooling? _____ yes _____ no

Full name(s) of parent(s)/guardian(s) ________________________________________________________ Relationship to student ______________________

Street address ______________________________________________________________________ City _______________________ Zip _________________

Email for all program info: ____________________________________________________________________________________________________________

Phones: Primary _______________________________ Secondary ________________________________ Other(s) ______________________________________

I understand that The Center for Gifted includes camera images of students and of student work on its website, in its publications, and in other media controlled or approved by the CFG. I hereby give my consent for images of this student and/or his or her work to be included among these images and will make no monetary or other claim against the CFG for its ethical and appropriate use of these images.

Parent/guardian signature _____________________________________________________________________ Date ______________________

Course selections: For the Skokie program, check the green “Skokie” box. For 1st-8th grade students, list three favorite morning classes and one alternate on lines a-d and/or two favorite afternoon classes and one alternate on lines e-g. PreK and kindergarten students do not need to select courses. For the Glenview programs, check the green “Glenview” box(es) for the session(s) you wish to attend. For most Glenview students, simply refer to our course offerings and write the two morning courses on lines a-b and/or two afternoon courses on lines c-d for each of the Glenview sessions you have checked. Note: for 3rd grade morning students in Glenview sessions I, II, and V, please list the two classes they prefer.

Tuition: Skokie: Morning $390; Afternoon $370; Full-Day $680

Glenview: Morning $195; Afternoon $195; Full-Day $390

Payment: A deposit of at least $80/session must accompany application. Your balance of tuition and any lab fees will be due two weeks before each session begins. Please note: Tuition and fees are fully refundable until the third day of the session for which they are paid.

Please complete: I enclose or authorize payment of $______________.

Please check one:

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

_____ Charge the following credit or debit card (Visa, MasterCard, or Discover) for the above amount.

Expiration date ___________ Card account number __________________________________________

Cardholder name as printed on card ____________________________________________ Billing address zip code ______________________

Authorized signature ___________________________________________ Today’s date ______________________

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