



# Summer Wonders 2024 in Lincolnshire

Summer Wonders is designed for bright, motivated learners who welcome dynamic opportunities to explore diverse subjects in a challenging, creative environment. We offer hands-on activities and inventive modes of participation that inspire originality, creativity, and imagination, while fostering the development of problem-solving and critical-thinking skills.



In Partnership With



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## Session 1: July 8-12

### Morning Courses

Balloons, Pulleys, Levers, and Gears (1-3)  
Chess Club (1-6)  
Creative Writing – Our Wordsmith Magazine (1-6)  
Detective Science (4-6)

### Afternoon courses

Boom, Pop, Fizz! (1-3)  
Chocolate-Ology (1-6)  
Skyscraper Design and Construction (4-6)  
The Art of Math (1-6)

## Session 2: July 15-19

### Morning courses

Bubble-Ology (1-3)  
Geometric Design and Construction (4-6)  
Musical Theater (1-6)  
Sculpture Studio (1-6)

### Afternoon courses

Airplanes, Kites, and Rockets (1-6)  
Detective Science (1-3)  
The Graphic Novel, Unplugged (1-6)  
Optical Illusions and Ways to Trick Your Brain (4-6)

## Session 3: July 22-26

### Morning courses

Breaking Laws of Physics (4-6)  
Puzzles, Puzzles, Puzzles! (1-6)  
What's In Your Garden? (1-3)  
The 2024 Summer Wonders Olympics (1-6)

### Afternoon courses

Art Around the World (1-6)  
Grossology of Biology (4-6)  
Mythical Creatures (1-6)  
Outer Space Escapades (1-3)

## Course Descriptions

### Airplanes, Kites, and Rockets

Explore the science of flight. Investigate and challenge laws of physics and aerodynamics. Build your own models to test your theories. Which designs go fastest? farthest? highest? or plopp! (1-6)

### Art Around the World

Embark on a journey across the globe as you create artwork inspired by a wondrous diversity of countries, cultures, and peoples and their different media, methods, and muses. Discover interesting facts about our tourist destinations, then create art inherent to that region. No passports required for this adventure! (1-6)

### Balloons, Pulleys, Levers, and Gears

Explore laws of physics via hands-on science projects and experiments. Demonstrate your new knowledge, ideas and discoveries as you create your own toys, simple machines, and fun! (1-3)

### Boom! Pop! Fizz!

Explore a range of scientific challenges in this hands-on chemistry lab. Mix and swish your own strange brews. Analyze and experiment with acids and bases, liquids and powders. Create cool, colorful, chemical reactions—but don't blow up the lab! (1-3)

### Breaking Laws of Physics

Explore the inexplicable! Challenge traditional theorems (after all, they're only assumed to be true) as you forge into experiments with unexpected results. Investigate physical reactions, objects and acts that defy laws of gravity, and other phenomena that venture beyond our world's so-called physical limits. (4-6)

### Bubble-Ology

Investigate hands-on the mystery and make-up of the amazing gaseous globule and its roles on our planet—from bubbling brooks to boiling hot lava. Have some fun exploring air and gravity with bubble experiments. Can you make a square one? (1-3)

### Chess Club

Designed and guaranteed to challenge chess enthusiasts of all calibers, from total beginners to masters. From basic rules and simple strategies, to sneaky opening moves and skillful end-game tactics, to highly sophisticated stuff, have a great time challenging yourself and your skill-level peers! (1-6)

### Chocolate-Ology

Investigate the world's favorite culinary delight! Explore its history through the ages and around the globe. From the humble cocoa bean to international stardom, how did it all happen? Discover its strange properties, explore some of its weirdest recipes (chocolate-covered what?!), and maybe have time for a taste-test or two. **(NOT a nut-free or dairy-free class.)** (1-6)

### Creative Writing – Our Wordsmith Magazine

Calling all wordsmiths who are aspiring storytellers, dream-weavers, and imagination explorers! We want writing crafters who are adventurous, like you, to summon characters and paint pictures with words as every page becomes a canvas for your creative tales. Choose from exciting catalysts, such as paintings, posters, and music, to inspire you along your way. You will have the honor of seeing your work published in our Wordsmith Magazine. (1-6)

### Detective Science

Become a scientific-thinking police detective! Investigate a simulated crime scene, interview suspects and witnesses, and probe your findings using forensic methods, like fingerprinting, secret inks, lie detection, paper chromatography, and code-breaking. Put all your clues and evidence together, employ your powers of observation, deduction, and logical reasoning, and solve the case! *(Session I: 4-6) (Session II: 1-3)*

### Geometric Design and Construction

Create Escherian designs and kaleidoscope visuals. Build polyhedra with string, straws, and paper. Probe the principles of planes and solids to create 2D and 3D models. Explore the theorems of math and geometry via constructions, projects, games, and puzzles. Develop geometric intuition! (4-6)

### Grossology of Biology

Embark on an in-depth investigation of the fascinating bodily functions that keep us going. Gain an understanding of the science behind the human body systems. Investigate the roles of blood, phlegm, sweat, gas, mucus, pus, and other unmentionables indispensable to our species. (4-6)

### Musical Theater

Do you like to have fun pretending with your friends? Do you love to sing? Do you just want to try something new? Try musical theater! Discover the elements involved—audition, rehearsal, musical staging, blocking, singing, projection, creating a character through voice and physical changes in appearance, etc. Grow your enjoyment and skills in singing and acting, and experience the singular joy of live performance. Every day will be fast-paced and fun! (1-6)

### Mythical Creatures

Are you curious about creatures that dwell in the realms of imagination and wonder? Do you dream of encountering majestic beings like unicorns, dragons, and griffins? Look no further! Get ready to embark on a magical journey like never before with stories, scavenger hunts, crafts and celebrations! (1-6)

### Optical Illusions and Ways to Trick Your Brain

Explore cool ways our brains are tricked and the science behind them. Create op art and tessellations. Delve into Escher's world and dream up your own clever illusion, zoetrope, or spinner. Is it possible to NOT notice a gorilla walking right in front of you? Can something be both hot and cold at the same time? Discover a plethora of illusions and tricks to fool your friends and family. (4-6)

### Outer Space Escapades

Blast off to an astronomically fun, factual, and fantastic exploration of the cosmos! Explore the wonders of outer space through hands-on simulations and realistic model constructions. What's it like to be a NASA astronaut? How would you prefer to travel through space? (1-3)

### Puzzles, Puzzles, Puzzles!

Do puzzles intrigue you? Do you think you can nail them all? Test your brain in general, your critical thinking skills in particular, and your patience, by tackling puzzles of all types, from logic puzzles, brain teasers, and jigsaw, to math puzzles, ciphers, and cryptic codes; from the preposterous to the impossible. (Students of all ability levels will be appropriately challenged.) (1-6)

### Sculpture Studio

Create, shape, mold, model and chisel your ideas into 3D masterpieces with clay, fabric, paint, paper, wood, wire, found objects, and beyond! Discover some of the principles of sculpture, such as composition, form, shape, and repetition. (1-6)

### Skyscraper Design and Construction

Explore the design and construction of several famous titans of vertical engineering. Use a variety of methods and materials to build a scale model of one of your favorites, or design one of your own. Can you achieve both height and stability? (4-6)

### The 2024 Summer Wonders Olympics

Are you ready for some good fun and friendly competition? Team up with your peers and tackle challenges of mental and physical abilities. Will your team win the gold, silver, or bronze? Explore and imagine a bit of history of the Olympics, from 8th century BC to the first modern Games in 1896. (1-6)

### The Art of Math

Whether you just want to have fun with math or are on your way to becoming a math master, you will love this class! Explore fascinating mathematical concepts as you make the connection between the two subjects, then design works of art that showcase these ideas. Often, the math idea will be disguised within the art. Enjoy a captivating combination of intellectual and artistic challenges as we have some fun with numbers. (1-6)

### The Graphic Novel, Unplugged

Do you like comic books, illustrating, creating colorful art and stories? A graphic novel combines all of these elements. Develop an original story, create the characters and dialogue, plot out the storyboard, and ink it! (1-6)

### What's in Your Garden?

Ever wonder how to grow a monarch butterfly? or a swallowtail? Join us and find out (there will be dirt)! Discover the hummingbird and which flowers they especially love, and why. Learn about the great Christmas Bird Count and why it matters. On our last day, you may continue with our discovery, and/or choose to create—poetry, art, sculpture, music, etc.—inspired by what you have learned. (1-3)

## Details

### Location

Half Day School, 239 Olde Half Day Road, Lincolnshire

### Hours

Full-Day 9:00-3:00  
Morning-only 9:00-11:40 Afternoon-only 12:20-3:00

Full-day students enjoy lunch (brought from home) and recreation, 11:40-12:20

### Tuition per session

Full-day \$500 Half day \$250

### Application

Proof of student eligibility will enter in fall of 2024. Apply online from our website, at [www.thecenterforgifted.org](http://www.thecenterforgifted.org). A \$150 deposit is required per session and will be applied to tuition. The balance will be auto-debited on May 20. Applications submitted after that date must include payment in full. Enrollment remains open for each session until it is full.

### Eligibility

Proof of student eligibility is not required for our 2024 summer programs. It is our privilege to serve bright, creative children seeking new learning opportunities, exciting challenges and fresh inspiration. Students from any educational setting, whether public, private, parochial, or homeschool, are welcome.

### Course choices

Please follow instructions on our online application for listing your child's course preferences. All students participate in two 80-minute classes each half day. For courses spanning several grade levels, students are placed with their closest age peers.

### Grade requirements

Grade level requirements posted for each course are as of fall, 2024 and are flexible. We feel keenly that all students deserve to be appropriately challenged. Feel free to contact us if you wish to discuss a grade-level exception for your child for any course or session.

### Withdrawals

We will refund 100% of paid tuition for withdrawal any time prior to one week before the start date of any session; less than a week before a session's start date, we will refund all payments less a 10% surcharge.

### Refunds, Discounts

There are no refunds, credits, or discounts for absences for any reason, for late or partial enrollments, for siblings, or for enrolling in multiple sessions.

**Please feel free to contact us anytime with questions, at [thecenterforgifted@att.net](mailto:thecenterforgifted@att.net), or 847-901-0173. We're always happy to hear from you.**

## Igniting Imaginations Since 1983!

Enroll online at [www.thecenterforgifted.org](http://www.thecenterforgifted.org)

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Joan Franklin Smutny, Founder and Director

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