Summer Wonders 2020

For bright, motivated students entering grades PK - 8 seeking new challenges and fresh inspiration.

Green Oaks
June 22-26

AM, PM, and Full Day Options • Before and After Care

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See “Details” link on our website (upper left margin, under “Summer downloads for parents”) for more information, including eligibility, program format, application, placement, refunds, lunches, etc.

Please feel free to contact us anytime with questions, at: www.centerforgifted.org, or 847-901-0173. We’re always happy to hear from you.

Location
Oak Grove School
1700 O’Plaine Road
Green Oaks

Hours
Full Day: 9:00-3:00
Morning: 9:00-11:40
Afternoon: 12:20-3:00
Extended Care: 7:30-9:00 and 3:00-6:00

Tuition
Full Day: $440
Half Day: $220

Fees
Facility usage fee: $25
Non-refundable application fee: $10
Morning extended care: $15 per day
Afternoon extended care: $10 per hour
Lab fees: As indicated in course descriptions

Apply online at www.centerforgifted.org Questions? Call 847.901.0173
**PreK/K**

**Mad Scientists Loose in the Kitchen!** Discover the amazing chemical phenomena happening in your pantries and refrigerators all the time, even while you sleep. Explore sundry science through hands-on experiments.

**Amazing Dinosaurs:** How did dinosaurs live? What was their world like? Through creative, interdisciplinary activities, step back in time to explore the lives of dinosaurs, from the large brachiosaurus to the small compsognathus; from the swift ornithomimus to the slow stegosaurus.

**K-8**

**Artists’ Studio:** Use a variety of media and styles in your own artistic creations. Mix it up as to how an individual creates the unexpected. Try using various types of paint for the same project. Print with different paints and inks to produce more unique outcomes.

**Chemistry of Cooking:** Chemistry is everywhere! Investigate and unexpected chemical reactions and why they occur. Learn about the chemistry of baking: What makes dough rise, cheese curdle and canned whipped cream spray? What are electrolytes and why are they in your sports drink? Exactly what are fermentation, oxidation and emulsification?

**Coding with Scratch:** Learn the basics of coding with Scratch, a free and easy-to-use coding language developed at MIT. Assemble lines of code and work toward creating your own projects. (A free Scratch account is required; we will register accounts on the first day. Visit scratch.mit.edu for more information.) ($10 lab fee)

**Coding with Scratch without Boys:** Exactly the same as Coding with Scratch, but no boys allowed! ($10 lab fee)

**Design Studio:** Identify a problem, then brainstorm, design, test and evaluate solutions. Did your design solve the problem? What changes can improve your design? When engineers solve a problem, their first solution is rarely their best. They try different ideas, learn from their own as well as others’ mistakes, and try again.

**Edible Architecture:** Just as it sounds! Harness and blend your art, design, and culinary skills to build structures out of things that you can eat.

**Explorer’s Lab:** Design, create and build whatever tickles your imagination. Discover how to use resources creatively to achieve your goals. Explore a variety of activities, builds, and creations amid an abundance of materials and the ideas they inspire. Let your creative juices flow! ($15 lab fee)

**Math of Chance:** Explore math games and puzzles, principles of probability and problem-solving techniques. Maneuver mathematical variables and employ manipulatives like pennies, pies, and dice.

**Showy Science:** Cover a variety of sciences and topics as you explore the air, water, earth, and animals around you, as well as the forces that act upon you.

**Slime, Flubber, and Other Fun Polymers:** Experiment with different recipes for slime. Create other slippery, stretchy polymers in the slime family. Explore the properties of polymers. How far can you stretch it? How thin can it become? What makes it hold together? Play with your peers as you ponder the perplexities of your polymers.

**Sports Franchise Development:** Sports franchises are a billion-dollar industry with large economic and philanthropic values. Build your own franchise! Use a mix of problem-solving skills and strategic decisions to select your players, create a team name and logo, implement franchise rules, and market your league among the competitors. Build your fan base and promote sportsmanship. Become an entrepreneur in the sports franchise market. Love the game and love your budding business!

**The Art of Science:** Calling all mad scientists to create artistic masterpieces! Have great fun creating imaginative works of art while exploring fascinating scientific concepts and investigating topics such as gravity, density, cohesion, centrifuge and viscosity. This is the perfect excuse to get messy and create something unique. Grab your lab coat or smock and join us!