

The Center for Gifted ~ Midwest Torrance Center for Creativity presents

# 2017 Worlds of Wisdom and Wonder

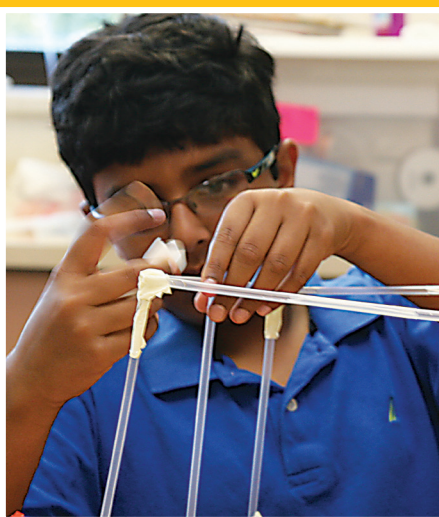
in **Naperville** for Grades PreK-8

***Innovative summer challenges for advanced learners!***

**Prairie Elementary School, 500 S. Charles Ave, Naperville**

**June 12-23**

It's a Bug's Life (PreK-K)  
Science, Nature, and Wonderment (PreK-K)  
Chemistry Lab (3-8)  
Chess for Beginners (K-3)  
Chess Games and Strategies (3-8)  
Digital Photography (4-8)  
Grossology of Biology (1-4)  
Lego Mindstorms Robotics (3-8)  
Lego WeDo Robotics (K-3)  
Makerspace (4-8)  
Makey Makey (3-8)  
Math and Science of Building (K-3)  
Science and Star Wars (3-8)  
Who's in the Zoo? Amazing Animals and Creative Creatures! (K-4)  
Wonders and Blunders of Science (K-2)  
Zany Cube or Colorful Quilt? Fantastic Fabric Creations! (3-8)



**The Center for Gifted**  
a Northern Illinois University partner

**Apply online at [www.centerforgifted.org](http://www.centerforgifted.org)**

Our Worlds of Wisdom and Wonder programs are designed for bright, motivated learners who welcome dynamic opportunities to explore diverse subjects in a challenging, creative environment. In all classes, hands-on activities and inventive modes of participation foster originality and imagination, evoking active involvement and discovery; the development of problem-solving skills, creativity, and critical thinking is inherent in the framework!

Applications are accepted online via our website, or by mail, email, fax (847-901-0179) or in person. \$80 deposit is required per session and will be applied to tuition. Applications have a \$4 processing fee per session, and some courses require lab fees (see course descriptions). Payments are fully refundable for withdrawals requested by the beginning of each session. Financial assistance is available.

New students require recommendations from educators (form is available on our website). Grade reports or test scores may be substituted.

#### Extended Care

Organized, nurturing supervision is offered every day, 8:00-9:00 a.m. at a cost of \$9 per hour.

**June 12-23**

#### Full Day:

**8:30 a.m.-2:30 p.m.**

#### Mornings Only:

**8:30-11:10 a.m.**

#### Afternoons Only:

**11:50 a.m.-2:30 p.m.**

**Early Care: 7:30-8:30 a.m.**

### Workshops for PreK - K

*Students attend a single workshop each morning and/or afternoon.*

**It's a Bug's Life:** Discover the amazing world of insects! Investigate the lives of ants and beetles, butterflies and dragonflies. Delight in fictional characterizations such as The Grouchy Ladybug, Chester Cricket, and Crickwing

#### Science, Nature, and Wonderment:

Experiment with chemical concoctions that pop and squish. Investigate the habitats and habits of different animals and birds. Wonder and delight in the world around you!

### Classes for K - 8

*Students attend two classes each morning and/or afternoon, selecting their favorites among the course offerings. Note that for courses spanning several grade levels, students are scheduled with their age peers..*

**Chemistry Lab:** Explore chemical properties through hands-on experiments. Investigate molecular structure. Experiment with solutions, solvents, and reactants, but don't blow up the lab!

**Chess for Beginners:** Intrigued by the game of chess? Learn how to play! Explore basic openings and end games. Enjoy trying out different strategies as you play chess with your classmates.

**Chess Games and Strategies:** Designed to challenge chess freaks of all calibers – from basic rules and simple strategies, to highly sophisticated schemes and end-game tactics. Test your skills as you challenge your peers!

**Digital Photography:** Don't know the secret to becoming insta-famous? Try out new tips and tricks to the art of photography. Experiment with camera angles and macro lenses. Manipulate images to create various artistic effects. (\$15 lab fee)

**Grossology of Biology:** Embark on an in-depth investigation of the unmentionable yet fascinating functions that keep us alive! Gain an understanding of the science behind human body systems while investigating the importance of blood, phlegm, sweat, gas, mucus, pus, and all things gross!

**Lego Mindstorms Robotics:** Explore principles of engineering and programming! Employ gears, sensors, and motors to create robots. Work in engineering teams to innovate and experiment in designing, constructing, and programming your robots. (\$15 lab fee)

**Lego WeDo Robotics:** Build robots such as monkeys, alligators, and birds. Work from our building plans or create your own robots. Program actions and sounds. The possibilities are endless! (\$15 lab fee)

**Makerspace:** Let your imagination come to life in a space where trans-disciplinary learning, inquiry, risk-taking, thinking, crafting, tinkering, and wondering can blossom. (\$15 lab fee)

**Makey Makey:** Use this invention kit to turn everyday objects into touch pads. Artists, engineers, designers, and inventors all love the possibilities! (\$15 lab fee)

**Math and Science of Building:** Tackle construction projects in a makerspace setting. Selecting from a wide variety of materials, use your ingenuity to engineer towers, buildings, and bridges.

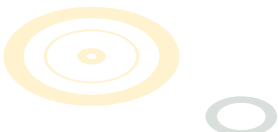
**Science and Star Wars:** Lightsabers, levitating cars, and faster-than-light travel. All these things make Star Wars fun at the movies, but can they happen in the real world? Investigate and try to recreate some of the fun science from Star Wars.

**Who's in the Zoo?** Amazing Animals and Creative Creatures! Discover unusual animals from around the globe, and design your own fanciful creatures. How will you care for them? What kind of habitats will they need? Imagine, create, and innovate!

**Wonders and Blunders of Science:** Invent a concoction that's actually good for something. Explore famous scientific bloopers that worked out.

**Zany Cube or Colorful Quilt?** Fantastic Fabric Creations! Create squish-able, toss-able, fun cubes with fabric scraps and imagination! Or turn those colorful scraps into a beautiful little quilt. No prior sewing experience needed! Come join the fun!

**Prairie Elementary School**  
**500 S. Charles Ave**  
**Naperville**





# More Exciting Summer Opportunities!



## Project '17

at Elmhurst College

for students entering grades 6-12

**July 17 - August 4**

*FREE Transportation!*

## Worlds of Wisdom and Wonder

for students entering grades PreK-8

- Barrington - Elmhurst - Skokie
- Chicago - Glenview - Wheaton
- Crete - Naperville

see our website for details

## Tinker-a-Thon!

at Elmhurst College

for students entering grades 1-5

**July 17 - August 4**

*Enroll for one, two, or all three weeks!*

# Ingenuity. Inspiration. Imagination. Innovation.



1926 Waukegan Road, Suite 2 Glenview, IL 60025

[info@centerforgifted.org](mailto:info@centerforgifted.org) | 847.901.0173 | [www.centerforgifted.org](http://www.centerforgifted.org)

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Joan Franklin Smutny, Founder and Director