

# PROJECT '20 - ELMHURST

For bright, motivated students entering grades 6 -12 seeking new challenges and fresh inspiration.



## Session I: July 13 - 17

### Morning Workshops

Amusement Park Engineering I (6-8)  
Claymation (6-12)  
Historic Games of Strategy and Diplomacy (6-12)  
Intro to Java Script (8-12)

### Afternoon Workshops

Amusement Park Engineering II (9-12)  
Claymation (6-12)  
Comics! (6-12)  
Historic Games of Strategy and Diplomacy (6-12)

## Session II: July 20 - 31

### Course offerings Mornings

3D Printing  
Artist Studio  
Historic Games of Strategy and Diplomacy  
Organic Chemistry: Molecular Models

### Course offerings Afternoons

Blender: 3D Creation Suite  
Historic Games of Strategy and Diplomacy  
Our Lives, Our Words: Creative Writing  
Physics Olympics  
Readers Theater, Musical Theater and Improvisation



**Focused on Science, Technology, Engineering, Math, and the Arts**

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*Joan Franklin Smutny, Founder and Director*

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# IGNITING IMAGINATIONS SINCE 1983!

# COURSE OFFERINGS

Programs have been reformatted to meet current Phase IV guidelines. All classes are now formatted so that students remain in the same room with the same teacher and group of students throughout the morning or the afternoon. Classes will remain small. Desks will be wiped down during lunch period. Classrooms will be cleaned overnight. All students will need to wear a mask and carry a non-scented hand sanitizer (masks can be lowered when social distancing). We ask that you please keep your student home and to contact us if anyone in the family is ill. Safety measures will be adjusted as needed.

All students should bring their own lunch if attending both morning and afternoon sessions.

## 3D Printers

Use open-source CAD software to design your own printable items and control the machines. Learn how to calibrate, align, and troubleshoot the machines for common issues. (\$10 lab fee) (6-12)

## Amusement Park Engineering I and II

Explore the principles of acceleration, velocity, gravity, and centrifugal and centripetal forces. Design and Construct mini-Coasters and other thrill rides. Create your own experiments to test them. Work to achieve the ultimate balance of speed, thrills, and safety as you blueprint and build scale models.

## Artists' Studio

Explore a variety of media while experimenting with a range of artistic styles and techniques. Create complex and creative works of art using inspiration from art history and life. Create a collection of work while developing your individual artistic skills and finding your own personal styles and artistic preference. (6-12)

## Blender: 3D Creation Suite

Blender is a powerful 3D computer graphics software toolset used to create animated films, physics simulations, video games and much more. With it, you can create an impossible scene by controlling and animating physics; quickly build a tower just to knock it down, and watch how it falls from any angle; pour water into a glass cup and get the perfect, photo-realistic picture as it splashes out; or write your name in big 3D letters, then hit it with a wrecking ball, smashing it into a million pieces. Computer creativity and imagination are all you need to produce endless animated possibilities. (6-12)

## Claymation

Write a short screenplay, use stop-motion video and clay to film it, and use a video editing program to add audio. (6-12)

## Comics!

Do you like comic books, unique illustrations, creating unusual art, or writing stories? The graphic novel is an exciting way to tell a story. Create one of your own! Investigate the fundamentals of this singular art form, including panel-to-panel, text-to-images, and page layout. Conceive and develop an original story, create the characters and dialogue, and plot out the storyboard. (6-12)

## Historic Games of Strategy and Diplomacy

Re-enact history through games of strategy! Choose from games covering a variety of time periods and locations. Expand empires through 4000 years of History of the World, smite thine enemies in Ancient Conquest, invade Britannia, crown your pretender in Kingmaker, colonize exotic lands during the Age of Imperialism, lay iron track across the prairie in Empire Builder, make the world safe for democracy in Diplomacy, or fight World War II in Axis and Allies. (6-12)



### Intro to Java Script

Try your hand at the most popular programming language in use today. Java is a general-purpose programming language derived from C and C++. It is popular for its code's ability to run on multiple platforms without being rewritten. (Morning only) (8-12)

### Organic Chemistry: Molecular Models

The first steps in understanding the science and art of organic chemistry are to know how to name compounds from their structures and how to draw or build compounds from their names. Using molecular models, build a variety of organic compounds and learn to name them according to IUPAC rules. (\$30 lab fee for molecular model kit) (6-12)

### Our Lives, Our Words

Draw on your own life experiences to write stories, poems, and essays (6-12)

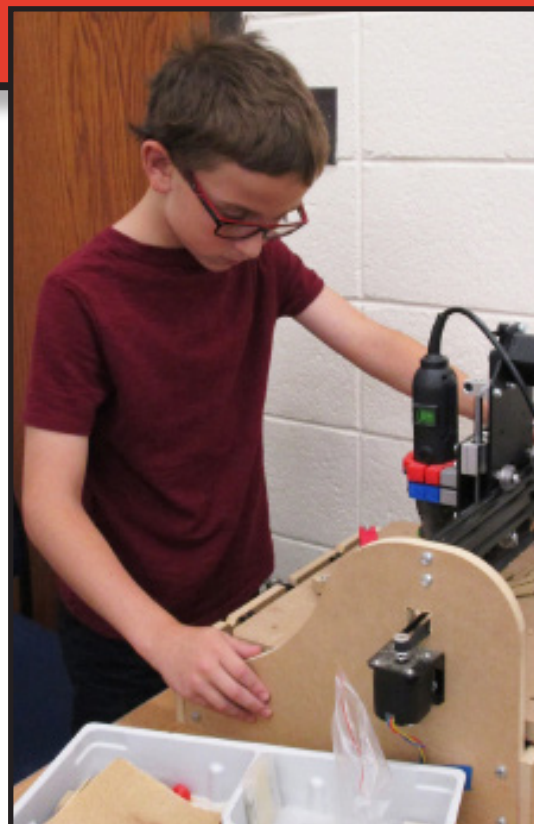
### Physics Olympics

Design and construct a variety of contraptions, such as hovercrafts, catapults, and electromagnetic pickup toys. Manipulate matter, energy, and the principles of power and force to make them lift, race, run, spin, sputter, fly, or crash. (\$20 lab fee) (6-12)

### Readers Theater, Musical Theater and Improvisation

Taught by an actor and teacher in the Chicago area. He has performed at Chicago Shakespeare Theatre, Drury Lane Theater in Oakbrook and many other theaters in the Chicago area. He has been teaching theater and musical theater at Summer Wonders for The Center for Gifted for 15 years. Some of his students have gone on to perform at The Marriott Theater and The Lyric Opera.

This is your chance to express yourself through musicals, dramatic and comedic acting, and improvisation. If you want to hone your craft, come explore and play under superior tutelage from this amazing actor/instructor!



## Program Structure and Details

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](http://www.centerforgifted.org), or 847-901-0173. We're always happy to hear from you.

## Questions?

**Call 847.901.0173**



**Location**  
Elmhurst College  
190 S Prospect Avenue  
Elmhurst

**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**  
Session I  
Full Day: \$460  
Half Day: \$230

Session II  
Full Day: \$920  
Half Day: \$460

**Fees**  
Non-refundable application fee: \$10  
Morning extended care: \$15 per day  
Afternoon extended care: \$10 per hour  
Lab fees as indicated in course descriptions