

### Argonne Computational Science Summer Camps

At Argonne, we help students construct pathways that build up their STEM skills in diverse directions, one of which being computational thinking, an important skill to master in the 21st century. By reaching out to students on different steps of the journey with free and engaging camp programs, we can help make their paths a pipeline to success:

- [CodeGirls](#)  
June 25-27 – CodeGirls creates new opportunities for current 6th and 7th-grade students (for the 2018-2019 school year) interested in STEM by providing a supportive environment to be introduced to the concept of coding. Our attentive staff, combined with easy-to-learn activities, will help our CodeGirls see the beauty of coding for the very first time and provide positive role models for their bright futures.
- [Creative Approaches to Problems in Science \(CAPS\) High School Computing Workshop](#)  
July 15-19 – At CAPS, experts from the Argonne Leadership Computing Facility (ALCF) teach high school students more about essential coding skills and why they matter so much in STEM and in the world. Not only will you come out better-equipped for programming in Python, but you will also realize how you can apply your coding knowledge to real-world science problems.
- [Big Data and Visualization Camp](#)  
July 22-26 – Bridging the gap between high school and higher ed, Big Data Camp offers participants an intense and immersive challenge in coding and data science. Students use data from Argonne's Array of Things (AoT) project to experiment firsthand with investigative research, learning what it takes to be a data scientist. That way, they can walk into their academic and professional futures knowing how to see key patterns in the world.

### Brookfield Zoo

#### Summer Camps

Zoo Camp is the perfect opportunity for your child to connect with animals and nature in a variety of fun and exciting ways. Children ages 4 to 14 are welcome to come explore all 216 acres of the zoo with our camp counselors as their expert safari guides. There's so much to see and do, and each season offers unique experiences. We hope you will join us on a new adventure today! Offered Weekly, June 3 - August 16, except for the week of July 1-5. Time: 9:00 a.m. to 3:30 p.m. (Half-day PreZoo and Discovery will run 9:00 a.m. - 12:30 p.m.) Price: Full-day: \$310 per week (\$410 for non-members); Half-day: \$205 per week (\$255 for non-members); Early Drop Off: \$10 per day, Tuesday through Friday; Extended Day: \$15 per day, Monday through Thursday

#### Age Groups:

- PreZoo - Ages 4 & 5 who have not completed Kindergarten by June 2019
- Discovery - For campers who have completed Kindergarten or 1st grade by June 2019
- Explorer - For campers who have completed 2nd or 3rd grade by June 2019
- Adventure - For campers who have completed 4th or 5th grade by June 2019
- Conservation Science Camp - For campers who have completed 6th, 7th, or 8th grade by June 2019

For more information about summer camps and registration using the following link:

<https://www.czs.org/Brookfield-ZOO/Learning/Zoo-Camp/SummerCamp>

#### Sleepover Safari

A zoo is a zoo 24/7, and now you can get a glimpse into what happens at Brookfield Zoo at night. Join us for a fun-filled nocturnal adventure, with spaces available for families and groups which may include a mix of boy scouts, girl scouts, youth groups, and more! Every Sleepover Safari includes a variety of activities and learning opportunities. You will also take a night hike through the zoo – there's no telling what you may see after everyone else has gone home for the night! Come back inside for an ice cream social before settling in for the night. The next morning, wake up to a hot breakfast buffet, a morning hike, and a visit to a zoo exhibit before the zoo opens. Your Sleepover ends at 10:00 Saturday morning. Though we will be parting ways, you and your party are welcome to stay in the zoo all day!

**Price:** \$85 per person; Member and organized group price: \$75 per person Price includes all food, parking, and admission to the zoo the following day. For more information and for registration, use the following link:

<https://www.czs.org/Brookfield-ZOO/Learning/Sleepover-Safari>



**Coding Ninjas (Commercial)**

Kids love technology, games, and having fun with friends. Parents want to give their kids the best and brightest future possible. Everyone wins at Code Ninjas. Kids learn to code through our engaging game-based curriculum that teaches teamwork, logic, math, and problem solving. They gain vital skills while having a blast. Also have robotics and STEM camps.

**Various Locations:**

Algonquin, Bartlett, Buffalo Grove, Elmhurst, Glenview,  
Gurnee, Libertyville, Oswego, Naperville, Westmont

<https://www.codeninjas.com/>

**College of Lake County (Grayslake)****Explore Camps (Grades 1-8)**

STEAM based academic enrichment taught by experienced educators, fun for kids in grades 1-8. Topics include:

- Field Biology
- Graphic Arts
- LEGO and LEGO Robotics
- ....

**Engage STEM Career Exploration Experiences (Grades 9-12)**

STEM based career explorations & innovative experiences for teens in grades 9-12. Topics include:

- Engineering
- Innovation
- Lasers/Photonics/Optics
- Nursing and Healthcare

For more information about these summer programs and to register, use this link:

<http://www.clcillinois.edu/programs-and-classes/personal-enrichment/explore/summer-camps>

**Digital Media Academy @ University of Chicago (Commercial)**

Since 2009, Digital Media Academy has been offering educational summer camps for kids and teens at the University of Chicago. Each year, hundreds of students attend our tech programs and learn a variety of skills, from producing their own music and building Arduino robots, to coding an app or making their own short films. Our classrooms come equipped with all the tools students need to create and develop the STEM skills they need to excel.

<https://www.digitalmediaacademy.org/illinois-tech-camps/university-of-chicago/>

**iD Tech (Commercial)**

At iD Tech, kids and teens of all skill levels discover coding, AI, machine learning, film, robotics, and game design, developing the in-demand skills needed to compete at top Chicago area companies like Google, Groupon, Motorola, and Yelp. Various Locations:

- [Benedictine University](#) (Lisle)
- [Judson University](#) (Elgin)
- [GEMS World Academy](#) (Chicago)
- [Loyola University](#) (Chicago)
- [Northwestern University](#) (Evanston)
- [Lake Forest College](#) (Lake Forest)

To register and for more information:

<https://www.idtech.com/location-search?s=illinois&p=1>



**Illinois Dept of Natural Resources (Various Locations)**

The Illinois Department of Natural Resources offers several unique opportunities for students. The links below will take you to specific information about each of these programs.

- [Free Fishing Days 2019 - 6/14/2019 to 6/17/2019](#)
- [Wetland Wonders Exploring the Organisms of Illinois' Wetland - 6/18/2019](#)
- [Illinois Aquatic Ecosystems - 6/27/2019 to 6/28/2019](#)
- [Asian Carps Activities for Middle and High School Students to Support the Teaching of Next Generation Science Standards - 7/19/2019](#)
- [Tree Pests - 7/27/2019](#)
- [Illinois Pollinators Workshop - 7/30/2019](#)
- [Illinois Spiders - 9/17/2019](#)
- [Oaks and the Animals that Need Them - 9/21/2019](#)
- [Engineering and Life Science - 9/28/2019](#)

Or for the full listing: <https://www.dnr.illinois.gov/calendar/Pages/northeastern.aspx>

**Illinois Institute of Technology (IIT)*****NxtGen Tech Summer Courses for High School Students***

Illinois Institute of Technology invites high school sophomores, juniors and seniors to attend NxtGenTech Program in Summer 2019. Students will learn next generation technologies and tools and get a glimpse of the future of the Internet, computing, and the next wave of emerging technologies.

- Courses take place at the IIT Rice Campus in Wheaton and the IIT Mies Campus in Chicago.
- 1-3 day courses include topics like Cybersecurity, Game Development and Programming, and Augmented Reality.
- All programs are led by Illinois Tech faculty members or staff with assistance from select IIT students.
- Course Fee includes lunch daily.

Questions? Contact [nxtgen@iit.edu](mailto:nxtgen@iit.edu) | 312.567.5900

For more information about the programs and locations check the IIT website: [appliedtech.iit.edu/nxtgen](http://appliedtech.iit.edu/nxtgen)

**The Morton Arboretum*****2019 Summer Science Camps***

Registration is now open for The Morton Arboretum's [Summer Science Camps](#), taking place from June 3 through Aug. 16. Set among the Arboretum's woodlands, wetlands and prairie, the camps are designed to spark a sense of discovery and an appreciation of the outdoor world.

The 2019 season includes more than 100 week-long camps for kids in pre-kindergarten through eighth grade, with curriculum informed by the Arboretum's diverse ecosystems and the tree-focused work of the institution's scientists. The camps follow the principles of STEM learning: encouraging exploration, observation and critical thinking. New sessions for 2019 include:

- Painting with Plants will explore the various parts of a plant before repurposing them in artistic ways.
- Critter Cases will encourage keen observation skills as campers search for the signs that creatures make when traveling to and from their habitats.
- STEM: Sticks and Bricks will incorporate the fundamentals of engineering as campers create art from natural materials.
- Forest Forensics will examine the stories trees tell through their tree rings, via outdoor exploration and a visit to the Arboretum's Herbarium to see trees of the past and present.





**University of Illinois at Urbana-Champaign*****U of I High School STEM camps***

Click on the title for more information on these camps:

- [Exploring the Intersection of Creativity and Engineering Camp \(All-Gender\)](#)
- [Electrical Engineering Camp \(Women-Focused\)](#)
- [Bioengineering Camp \(Women-Focused\)](#)
- [Exploring Nuclear, Plasma, & Radiological Engineering Camp \(All-Gender\)](#)
- [Exploring Mechanical Science & Engineering Camp \(All-Gender\)](#)
- [Materials Science & Engineering Camp \(Women-Focused\)](#)
- [Robotics Camp \(Women-Focused\)](#)
- [Chemical Engineering Camp \(Women-Focused\)](#)
- [Electrical Engineering Camp \(Women-Focused\)](#)
- [Discover Engineering Camp \(All-Gender\)](#)
- [Discover Bioengineering Camp \(All-Gender\)](#)
- [Mechanical Science & Engineering Camp \(Women-Focused\)](#)

***U of I Middle School STEM camps***

- [Materials Science & Engineering Middle School Day Camp \(Women-Focused\)](#)

**Western Illinois University Summer Camps (WIU)**

Every summer, WIU welcomes elementary and high school students to campus for week-long, hands-on and FUN summer camps. Varying in subjects from science, art and math to Harry Potter, leadership and cosplay, WIU camps will provide a great opportunity to share with friends and WIU instructors. This summer WIU is excited to be hosting eleven summer camps. Three of which will be brand new! Scholarships information and electronic marketing pieces can be obtained by emailing (sa-adams2@wiu.edu) or calling (309-298-1911) Sally Adams.

Below is the complete line-up! Click on the links to find complete program information

- [Costume Construction & Makeup Application](#)
- [Leatherneck Leaders: The Amazing Race](#)
- [Art: Colorful Minds & Creative Hands](#)
- [The Amazing World of Agriculture](#)
- [CSI: Crime Science Investigations](#)
- [Girls Plus Math](#)
- [WIU's Summer Science Experience](#)
- [TechVenturing](#)
- [Exploring Harry Potter](#)

