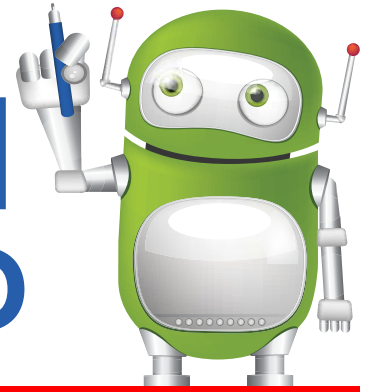


# STEAM YOUTH SUMMER CAMP



JUNE 10 - AUGUST 8, 2019



## When school is out, STEAM is in!

More than just fun and games, our programs provide **engaging** and **unique learning** opportunities on a college campus. **Students ages 8 to 12** can give their **science, technology, engineering, art, and math** skills a workout with a range of **fun-filled camps and classes** throughout the year. Don't miss out on these diverse, academic youth programs.

STEAM Youth courses are offered at both Oakton campuses and are listed on pages 1 and 2. To register, fill out the attached forms on pages 3 and 4. For more information, call 847-982-9888.

**Summer registration opens March 18, 2019.**



Alliance for Lifelong Learning • 1600 E. Golf Road, Des Plaines • 7701 N. Lincoln Avenue, Skokie • [www.oakton.edu/conted](http://www.oakton.edu/conted)

# STEAM YOUTH SUMMER 2019 CLASSES - DES PLAINES CAMPUS

Classes meet **Monday-Thursday**, morning and afternoon. **Early Bird (EB) registration postmarked by May 30.** Lunch is not provided.

## JUNE 10 - 13

### Animation Studio

Find out how real world animation studios work and the many careers available in the industry. Budding filmmakers will study the animation process, form small production teams, and take your ideas from concept to storyboard, and character design to video animation.

9 a.m. - 12 p.m. EB \$139: KDE S35-01 [CRN 50127] \$159: KDE S35-02 [CRN 50128]

### New! Escape Room Challenge

Have you always wanted to design your very own escape room? Here, you'll get to work in teams to create a back story, design the room, and write the clues to confound the other campers!

1-4 p.m. EB \$139: KID S15-01 [CRN 50131] \$159: KID S15-02 [CRN 50132]

## JUNE 17 - 20

### New! Battle Royale: Make Your First Fortnite® Style Video Game

Instead of playing Fortnite®, design your own game using 3D game development software. Develop cartoonish action and battle sequences, and build levels and assets inspired by battle royale games.

9 a.m. - 12 p.m. EB \$139: KID S12-03 [CRN 50074] \$159: KID S12-04 [CRN 50075]

### New! Minecraft Modders

Learn scripting and logic statements, the basics of modding and foundations of programming as you create your first mod! Introductory coding will also be taught through a simulated environment inspired by Minecraft®.

1 - 4 p.m. EB \$139: KID U06-03 [CRN 50125] \$159: KID U06-04 [CRN 50126]

## JUNE 24 - 27

### Virtual Reality: The Future is Now

Embark on an epic adventure in virtual reality. Learn the foundations of VR design by creating your own virtual worlds, exploring simulated environments, and crafting memorable 3D experiences. At the end of class, take home your VR headset to be used on your mobile device. Tuition includes the cost of a VR headset.

9 a.m. - 12 p.m. EB \$158: KDE S12-01 [CRN 50143] \$178: KDE S12-02 [CRN 50144]

### New! 3D Game Labs with Unity

Are you ready to take your game design skills to another level? With Unity, an industry-grade design software, aspiring game designers will learn level editing, 3D modeling, impactful gameplay creation, as well as how to utilize scripts and variables.

1 - 4 p.m. EB \$139: KID S05-01 [CRN 50147] \$159: KID S05-02 [CRN 50148]

## JULY 8 - 11

### 3D Printing for Young Engineers

Learn basics of 3D printing, engineering design processes, and collaboratively design and print figures to use in an engineering experiment. Are you up to the challenge?

9 a.m. - 12 p.m. EB \$139: KID S26-03 [CRN 50137] \$159: KID S26-04 [CRN 50138]

### New! Creative Cloud

Work with Adobe's Creative Cloud® to acquire the skills to manipulate exposure, gradients, saturation, and more. You'll edit and design your own digital art, and leave with memorable photographic compositions and digital portfolios created utilizing real world graphic design skills. Tuition includes the cost of a flash drive.

1 - 4 p.m. EB \$144: KID E80-03 [CRN 50141] \$164: KID E80-04 [CRN 50142]

## JULY 15 - 18

### New! CSI Forensics Camp

Lift prints from surfaces, cast impressions of footprints, or analyze fluid spatter just like the professionals do. Get hands-on experience with these forensic science techniques while learning the secrets of how crime scene investigators uncover hidden evidence!

9 a.m. - 12 p.m. EB \$139: KDE S20-01 [CRN 50159] \$159: KDE S20-02 [CRN 50160]

### New! Storyboarding with Anime and Manga

Explore Japanese contemporary drawing/cartooning styles and create characters and stories of your own. Starting with simple geometric forms, students will explore proportion and emotional expression, while learning about this area of popular Japanese culture.

1 - 4 p.m. EB \$139: KDE S91-01 [CRN 50163] \$159: KDE S91-02 [CRN 50164]

## JULY 22 - 25

### New! Programming with Python™

Python is one of the hottest programming languages. Take advantage of the easy-to-read style of coding while picking up on one of today's most popular computer languages for all levels of coders.

9 a.m. - 12 p.m. EB \$139: KDE S16-03 [CRN 50153] \$159: KDE S16-04 [CRN 50154]

### New! Light Show Design

Learn to use circuitry and motor operations to design, build, and present electronic lighting sequences that you'll synchronize to music. Will you use sequential process or timing process? Does your lighting arrangement coordinate best with pop, dub step, or rock 'n roll?

1 - 4 p.m. EB \$139: KDE S18-03 [CRN 50157] \$159: KDE S18-04 [CRN 50158]

## JULY 29 - AUGUST 1

### New! Extreme Water Science

Every living thing on our planet needs water to survive. Half of your body is water! Learn about this special molecule together. You will do fun H2O related experiments and activities such as examining wave science, water rainbows, and hydropower in class and outdoors.

9 a.m. - 12 p.m. EB \$139: KDE S30-01 [CRN 50175] \$159: KDE S30-02 [CRN 50176]

### New! Nature Explorers

Have fun outdoors while exploring environmental science activities. Discover the wonders of nature. Wear comfortable shoes and be prepared for any type of weather as most of the class will be spent outside exploring all things in the environment.

1 - 4 p.m. EB \$139: KDE S47-01 [CRN 50179] \$159: KDE S47-02 [CRN 50180]

## AUGUST 5 - 8

### New! Wearable Technology and Soft Computing

Discover how to combine your own designs and crafting techniques with coding, circuitry, electronics and Arduino™ programming to create personalized accessories. Campers will get to design and keep their wearable creations, experiment with soft electronics materials, and build an organic battery sculpture. Tuition includes material costs.

9 a.m. - 12 p.m. EB \$154: KDE S38-03 [CRN 50169] \$174: KDE S38-04 [CRN 50170]

### YouTube Creations

Discover how to cut and edit raw video including creating title pages, music, special effects, and transitions, and then post your video on YouTube. Students are encouraged to bring a recording device and cables such as an iPad or Smart Phone to class each day.

1 - 4 p.m. EB \$139: KID S10-03 [CRN 50173] \$159: KID S10-04 [CRN 50174]

# STEAM YOUTH SUMMER 2019 CLASSES - SKOKIE CAMPUS

Classes meet **Monday-Thursday**, morning and afternoon. **Early Bird (EB) registration postmarked by May 30.** Lunch is not provided.

## JUNE 10 - 13

### New! Battle Royale: Make Your First Fortnite® Style Video Game

Instead of playing Fortnite®, design your own game using 3D game development software. Develop cartoonish action and battle sequences, and build levels and assets inspired by battle royale games.

9 a.m. - 12 p.m. EB \$139: KID S12-01 [CRN 50069] \$159: KID S12-02 [CRN 50073]

### New! Minecraft Modders

Learn scripting and logic statements, the basics of modding and foundations of programming as you create your first mod! Introductory coding will also be taught through a simulated environment inspired by Minecraft®.

1 - 4 p.m. EB \$139: KID U06-01 [CRN 50123] \$159: KID U06-02 [CRN 50124]

## JUNE 17 - 20

### Animation Studio

Find out how real world animation studios work and the many careers available in the industry. Budding filmmakers will study the animation process, form small production teams, and take your ideas from concept to storyboard, and character design to video animation.

9 a.m. - 12 p.m. EB \$139: KDE S35-03 [CRN 50129] \$159: KDE S35-04 [CRN 50130]

### New! Escape Room Challenge

Have you always wanted to design your very own escape room? Here, you'll get to work in teams to create a back story, design the room, and write the clues to confound the other campers!

1 - 4 p.m. EB \$139: KID S15-03 [CRN 50133] \$159: KID S15-04 [CRN 50134]

## JUNE 24 - 27

### 3D Printing for Young Engineers

Learn basics of 3D printing, engineering design processes, and collaboratively design and print figures to use in an engineering experiment. Are you up to the challenge?

9 a.m. - 12 p.m. EB \$139: KID S26-01 [CRN 50135] \$159: KID S26-02 [CRN 50136]

### New! Creative Cloud

Work with Adobe's Creative Cloud® to acquire the skills to manipulate exposure, gradients, saturation, and more. You'll edit and design your own digital art, and leave with memorable photographic compositions and digital portfolios created utilizing real world graphic design skills. Tuition includes the cost of a flash drive.

1 - 4 p.m. EB \$144: KID E80-01 [CRN 50139] \$164: KID E80-02 [CRN 50140]

## JULY 8 - 11

### Virtual Reality: The Future is Now

Embark on an epic adventure in virtual reality. Learn the foundations of VR design by creating your own virtual worlds, exploring simulated environments, and crafting memorable 3D experiences. At the end of class, take home your VR headset to be used on your mobile device. Tuition includes the cost of a VR headset.

9 a.m. - 12 p.m. EB \$158: KDE S12-03 [CRN 50145] \$178: KDE S12-04 [CRN 50146]

### New! 3D Game Labs with Unity

Are you ready to take your game design skills to another level? With Unity, an industry-grade design software, aspiring game designers will learn level editing, 3D modeling, impactful gameplay creation, as well as how to utilize scripts and variables.

1 - 4 p.m. EB \$139: KID S05-03 [CRN 50149] \$159: KID S05-04 [CRN 50150]

## JULY 15 - 18

### New! Programming with Python™

Python is one of the hottest programming languages. Take advantage of the easy-to-read style of coding while picking up on one of today's most popular computer languages for all levels of coders.

9 a.m. - 12 p.m. EB \$139: KDE S16-01 [CRN 50151] \$159: KDE S16-02 [CRN 50152]

### New! Light Show Design

Learn to use circuitry and motor operations to design, build, and present electronic lighting sequences that you'll synchronize to music. Will you use sequential process or timing process? Does your lighting arrangement coordinate best with pop, dub step, or rock 'n roll?

1 - 4 p.m. EB \$139: KDE S18-01 [CRN 50155] \$159: KDE S18-02 [CRN 50156]

## JULY 22 - 25

### New! CSI Forensics Camp

Lift prints from surfaces, cast impressions of footprints, or analyze fluid spatter just like the professionals do. Get hands-on experience with these forensic science techniques while learning the secrets of how crime scene investigators uncover hidden evidence!

9 a.m. - 12 p.m. EB \$139: KDE S20-03 [CRN 50161] \$159: KDE S20-04 [CRN 50162]

### New! Storyboarding with Anime and Manga

Explore Japanese contemporary drawing/cartooning styles and create characters and stories of your own. Starting with simple geometric forms, students will explore proportion and emotional expression, while learning about this area of popular Japanese culture.

1 - 4 p.m. EB \$139: KDE S91-03 [CRN 50165] \$159: KDE S91-04 [CRN 50166]

## JULY 29 - AUGUST 1

### New! Wearable Technology and Soft Computing

Discover how to combine your own designs and crafting techniques with coding, circuitry, electronics and Arduino™ programming to create personalized accessories. Campers will get to design and keep their wearable creations, experiment with soft electronics materials, and build an organic battery sculpture. Tuition includes material costs.

9 a.m. - 12 p.m. EB \$154: KDE S38-01 [CRN 50167] \$174: KDE S38-02 [CRN 50168]

### YouTube Creations

Discover how to cut and edit raw video including creating title pages, music, special effects, and transitions, and then post your video on YouTube. Students are encouraged to bring a recording device and cables such as an iPad or Smart Phone to class each day.

1 - 4 p.m. EB \$139: KID S10-01 [CRN 50171] \$159: KID S10-02 [CRN 50172]

## AUGUST 5 - 8

### New! Extreme Water Science

Every living thing on our planet needs water to survive. Half of your body is water! Learn about this special molecule together. You will do fun H2O related experiments and activities such as examining wave science, water rainbows, and hydropower in class and outdoors.

9 a.m. - 12 p.m. EB \$139: KDE S30-03 [CRN 50177] \$159: KDE S30-04 [CRN 50178]

### New! Nature Explorers

Have fun outdoors while exploring environmental science activities. Discover the wonders of nature. Wear comfortable shoes and be prepared for any type of weather as most of the class will be spent outside exploring all things in the environment.

1 - 4 p.m. EB \$139: KDE S47-03 [CRN 50181] \$159: KDE S47-04 [CRN 50182]

# STEAM Youth Program Registration Form

## Alliance for Lifelong Learning (ALL)



**Three Ways to Register:** **1. In Person** - Skokie campus, Room A120; Des Plaines campus, Room 1420 **2. Fax** - 847.635.1448  
**3. Mail** - Alliance for Lifelong Learning, P.O. Box 367, Skokie, IL 60077

### Student and Parent Information (Please Print)

Student Name (First, Last)	Student Date of Birth	Email	
Parent Name (First, Last)	Phone	Emergency Phone	
Street Address	City	State/Zip	

### Demographic Information of Student (This information is requested solely to comply with Federal laws)

1. Are you Hispanic or Latino? (OR Are you of Spanish origin?)  Yes Hispanic or Latino.  Not Hispanic or Latino.

2. Are you from *one or more* of the following racial groups? (Select all that apply).  American Indian or Alaska Native  Asian  
 Black or African American  Native Hawaiian or Other Pacific Islander  White  Choose Not to Respond

3. Please identify your primary racial/ethnic group. (Select one).  American Indian or Alaska Native  Asian  Black or African American  
 Hispanic or Latino  Native Hawaiian or Other Pacific Islander  White  Choose Not to Respond

4. Are you in the United States on a Visa – Nonresident Alien?  
 Yes in the United States on a Visa.  Not in the United States on a Visa. Provide Home Country of Origin: \_\_\_\_\_

### Method of Payment

Cash  Check No. \_\_\_\_\_ (payable to Oakton Community College)  Visa  MasterCard  Discover

Credit Card Number \_\_\_\_\_ Exp. Date \_\_\_\_/\_\_\_\_/\_\_\_\_

Three-Digit Verification Code (on back of card) \_\_\_\_\_

Cardholder Name (print) \_\_\_\_\_ Cardholder Signature \_\_\_\_\_

### Information and Consent

**Age Recommendations and Lunch:** If your child's age is just under or over 8 to 12, please contact us at 847-982-9888 for special consideration. Lunch is not provided. Students should bring their own lunch and snacks. Full-day programs will break for lunch at noon. Students registered for a half-day morning and afternoon program on the same day will be supervised by a staff member during the lunch hour between programs.

**Tuition and Fees:** Payment is due at the time of registration. Each registration form must include a \$9 registration fee.

**Cancellation/Refunds:** Full tuition will be refunded (minus the \$9 registration fee) if notification is received at least five business days prior to the first class session. A \$15 fee will be charged for cancellations. No refunds will be issued for requests received less than five business days before the start of class. If Oakton cancels a program, registrants receive a full refund.

**Photo Release:** Oakton Community College may use images of participants in the youth program for promotional and educational purposes. Please initial if you **do not grant permission** for possible photos and video to be taken of your child participating in the program. **Initial** \_\_\_\_\_

**Activity Agreement:** The undersigned further agrees to forever release and discharge the college, its officers, agents, trustees, and employees against all claims for losses, damages, judgments, expenses, and liabilities which the undersigned or participant may have as a result of participation in the activity. In case of a medical emergency during the course of the activity, the undersigned hereby authorizes any local hospital, doctor, licensed medical practitioner, or emergency personnel, to take whatever action necessary to address the medical emergency. The undersigned certifies that the participant has health insurance coverage and the agrees that in the event medical treatment is rendered, said insurance shall be considered primary. If any provision of the agreement or part thereof is ruled unenforceable by a court of competent jurisdiction, the remainder of the agreement shall be in full force and effect. I have read, understand, and agree to the above.

Parent Name (First, Last) \_\_\_\_\_

Parent Signature \_\_\_\_\_

Date \_\_\_\_\_

**See next page for course selection**

# STEAM Youth Summer 2019 Course Selection

## Alliance for Lifelong Learning (ALL)



Check the box of each class for which you are registering. **Early Bird (EB) registration is due by May 30, 2019.**

### DES PLAINES CAMPUS

#### MORNING, 9 - 12 p.m.

- Animation Studio**  
6/10 – 6/13     EB \$139 [CRN 50127] or  \$159 [CRN 50128]
- 
- New! Battle Royale: Make Your First Fortnite® Style Video Game**  
6/17 – 6/20     EB \$139 [CRN 50074] or  \$159 [CRN 50075]
- 
- Virtual Reality: The Future is Now**  
6/24 – 6/27     EB \$158 [CRN 50143] or  \$178 [CRN 50144]
- 
- 3D Printing for Young Engineers**  
7/8 – 7/11     EB \$139 [CRN 50137] or  \$159 [CRN 50138]
- 
- New! CSI Forensics Camp**  
7/15 – 7/18     EB \$139 [CRN 50159] or  \$159 [CRN 50160]
- 
- New! Programming with Python™**  
7/22 – 7/25     EB \$139 [CRN 50153] or  \$159 [CRN 50154]
- 
- New! Extreme Water Science**  
7/29 – 8/1     EB \$139 [CRN 50175] or  \$159 [CRN 50176]
- 
- New! Wearable Technology and Soft Computing**  
8/5 – 8/8     EB \$154 [CRN 50169] or  \$174 [CRN 50170]

#### AFTERNOON, 1 - 4 p.m.

- New! Escape Room Challenge**  
6/10 – 6/13     EB \$139 [CRN 50131] or  \$159 [CRN 50132]
- 
- New! Minecraft Modders**  
6/17 – 6/20     EB \$139 [CRN 50125] or  \$159 [CRN 50126]
- 
- New! 3D Game Labs with Unity**  
6/24 – 6/27     EB \$139 [CRN 50147] or  \$159 [CRN 50148]
- 
- New! Creative Cloud**  
7/8 – 7/11     EB \$144 [CRN 50141] or  \$164 [CRN 50142]
- 
- New! Storyboarding with Anime and Manga**  
7/15 – 7/18     EB \$139 [CRN 50163] or  \$159 [CRN 50164]
- 
- New! Light Show Design**  
7/22 – 7/25     EB \$139 [CRN 50157] or  \$159 [CRN 50158]
- 
- New! Nature Explorers**  
7/29 – 8/1     EB \$139 [CRN 50179] or  \$159 [CRN 50180]
- 
- YouTube Creations**  
8/5 – 8/8     EB \$139 [CRN 50173] or  \$159 [CRN 50174]

### SKOKIE CAMPUS

#### MORNING, 9 - 12 p.m.

- New! Battle Royale: Make Your First Fortnite® Style Video Game**  
6/10 – 6/13     EB \$139 [CRN 50069] or  \$159 [CRN 50073]
- 
- Animation Studio**  
6/17 – 6/20     EB \$139 [CRN 50129] or  \$159 [CRN 50130]
- 
- 3D Printing for Young Engineers**  
6/24 – 6/27     EB \$139 [CRN 50135] or  \$159 [CRN 50136]
- 
- Virtual Reality: The Future is Now**  
7/8 – 7/11     EB \$158 [CRN 50145] or  \$178 [CRN 50146]
- 
- New! Programming with Python™**  
7/15 – 7/18     EB \$139 [CRN 50151] or  \$159 [CRN 50152]
- 
- New! CSI Forensics Camp**  
7/22 – 7/25     EB \$139 [CRN 50161] or  \$159 [CRN 50162]
- 
- New! Wearable Technology and Soft Computing**  
7/29 – 8/1     EB \$154 [CRN 50167] or  \$174 [CRN 50168]
- 
- New! Extreme Water Science**  
8/5 – 8/8     EB \$139 [CRN 50177] or  \$159 [CRN 50178]

#### AFTERNOON, 1 - 4 p.m.

- New! Minecraft Modders**  
6/10 – 6/13     EB \$139 [CRN 50123] or  \$159 [CRN 50124]
- 
- New! Escape Room Challenge**  
6/17 – 6/20     EB \$139 [CRN 50133] or  \$159 [CRN 50134]
- 
- New! Creative Cloud**  
6/24 – 6/27     EB \$144 [CRN 50139] or  \$164 [CRN 50140]
- 
- New! 3D Game Labs with Unity**  
7/8 – 7/11     EB \$139 [CRN 50149] or  \$159 [CRN 50150]
- 
- New! Light Show Design**  
7/15 – 7/18     EB \$139 [CRN 50155] or  \$159 [CRN 50156]
- 
- New! Storyboarding with Anime and Manga**  
7/22 – 7/25     EB \$139 [CRN 50165] or  \$159 [CRN 50166]
- 
- YouTube Creations**  
7/29 -8/1     EB \$139 [CRN 50171] or  \$159 [CRN 50172]
- 
- New! Nature Explorers**  
8/5 – 8/8     EB \$139 [CRN 50181] or  \$159 [CRN 50182]

Subtotal:                    \$ \_\_\_\_\_  
 Processing fee:            \$ **9.00**  
 Total:                        \$ \_\_\_\_\_