SUMMER 2016 Youth STEM
REGISTRATION PACKET

Oakton Community College

Alliance for Lifelong Learning and Center for Promoting STEM
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OAKTON YOUTH STEM OVERVIEW
More than just fun and games, our programs provide engaging learning opportunities while connecting youth to a college campus. Our learning opportunities are designed for youth ages 8-14. The STEM programs at Oakton Community College are offered by Alliance for Lifelong Learning in collaboration with the Center for Promoting STEM.

PROGRAM STRUCTURE
The Youth STEM program at Oakton Community College offers a variety of options throughout the year. Week-long courses are offered throughout the summer and Saturday only courses are offered in the Fall and Spring.

AGE CONSIDERATION
The age recommendations for courses can be flexible in some cases. If the age of your child is just under or above the suggested age, please contact us at sratliff@oakton.edu for special consideration.

SNACKS
Students must bring their own snacks. There will be a break for students to partake in a snack.

TUITION AND FEES
Prices may vary by course, but in addition to tuition cost, each registration form must include an $8 registration fee.

HOW TO REGISTER
1. Review program descriptions on pages 4-5
2. Fill out and mail the registration form (p 5-6), activity agreement form (p 7), and photo release form (p 8), and payment to:

   Oakton Community College
   Alliance for Lifelong Learning
   P.O. Box 367, Skokie IL 60077
   Attn: Regi Ratliff

*Please submit a separate registration packet for each youth.
OAKTON YOUTH STEM PROGRAM DESCRIPTIONS

LEGO® FILMS AND STOP ACTION! (AGES 8-12) Fee: $123
Make your LEGOs come to life! Bring in your favorite action figures or LEGOs and create a short film with your friends. Whether you want to recreate a scene from Star Wars or design a world of your own, this class brings your dreams to the screen. Students will need to bring in LEGOs or action figures from home, but all other equipment provided. Student created films will be available on a password protected website to share with friends and family. Students will work in pairs or teams for most of the program.
KID U01- 031, OC/SK, 1 Mon./Tue./Wed./Thu., 6/6, 9 am-12pm CRN 50953

MAKE YOUR FIRST 3D VIDEO GAME! (AGES 8-12) Fee: $123
This course offers you the most cutting edge program tools and concepts in a fast paced learning environment. This experience allows you to develop a game concept that goes well beyond the limitations of traditional programs. Students learn the physics behind 3-D Game Design and explore event scripting, level design, controlling flow of game play, and storytelling. Designed for young adults who have the desire to focus on Game Design in high school or college.
KID S05- 031, OC/SK, 1 Mon./Tue./Wed./Thu., 6/6, 1-4 pm CRN 50237

MINECRAFT ANIMATORS (AGES 8-12) Fee: $123
Bring your favorite Minecraft characters to life in an animated short film! Learn how studios such as Pixar and Disney make movies like Inside Out and Frozen by using techniques such as keyframing, tweening, texturing, and animating rigged 3D models! Student projects will be available on a Black Rocket website to share with friends and family. You do not need to own a Minecraft account to use the software in this class. Students will work in pairs or teams for most of the program.
KID U07- 031, OC/SK, 1 Mon./Tue./Wed./Thu., 6/13, 9 am-12 pm CRN 50951

MINECRAFT DESIGNERS (AGES 8-12) Fee: $123
If you love the game Minecraft, but always wanted to design your own characters and buildings for your games this class is for you! Learn the basics of creating 3-D models using new software to design your very own objects, create skins for characters, and import them into your favorite Minecraft games. To access their project at home, students must own a PC/MAC version of Minecraft. Tablet, phone, and game console version of Minecraft are not compatible. Parent email address is required to use 3D modeling software. Students will work in teams for most of the program.
KID U03- 031, OC/SK, 1 Mon./Tue./Wed./Thu., 6/13, 1-4 pm CRN 50841

MAKER LAB: MAKE YOUR FIRST 3D MODEL (AGES 8-12) Fee: $123
Today, for the first time ever, enter the third dimension by imagining, designing, and creating your own 3-D figure or object. Using cutting edge software, students will explore the world of 3D design, motion scanning, and modeling. What was yesterday’s science fiction and fantasy is an affordable reality today. You decide whether you want to create an action figure, avatar, car, plane, dinosaur, or any object you can think of! The only limit is your imagination!
KID S39- 031, OC/SK, 1 Mon./Tue./Wed./Thu., 6/20, 9 am-12 pm CRN 50952
MINECRAFT MODDERS (AGES 8-12) Fee: $123
Use your favorite game to learn the basics of modding and foundations of programming. Learn scripting and logic statements as you create your first mod! Introductory coding will also be taught through a simulated environment inspired by Minecraft. Student projects will be available on a Black Rocket web site to share with friends and family. To access their project at home, students must own a PC/MAC version of Minecraft. Tablet, phone, and game console version of Minecraft are not compatible. Students will work in teams for most of the program.
KID U06-31, OC/SK, 1 Mon./Tue./Wed./Thu., 6/20, 1-4 pm CRN 50842

ROBOTICS Level I (AGES 8-12) Fee: $300 or Early Bird $225 by 6/6
Calling all young builders and engineers! Learn about structure and design by building with LEGO. Create your own robot using LEGO Mindstorms NXT robotic programming. Course includes field trip to a robotics company as well as mini competitions and challenges throughout the week!
KDE S03-31, OC/DP, 1 Mon./Tue./Wed./Thu., 7/11, 9 am-3 pm CRN 50836
KDE S03-32, OC/DP, 1 Mon./Tue./Wed./Thu., 7/11, 9 am-3 pm, Early Bird CRN 50837

ROBOTICS LEVEL II (AGES 8-12) Fee: $300 or Early Bird $225 by 6/6
Learn about structure and design by building with LEGO bricks. Use LEGO Mindstorms NXT robotic programming to create your own robot able to perform complex maneuvers and react to a multitude of sensors. Course includes field trip to a robotics company as well as mini competitions and challenges throughout the week!
KDE S04-31, OC/DP, 1 Mon./Tue./Wed./Thu., 7/18, 9 am-3 pm CRN 50838
KDE S04-32, OC/DP, 1 Mon./Tue./Wed./Thu., 7/18, 9 am-3 pm, Early Bird CRN 50839

WATERBOTICS (AGES 8-12) Fee: $300 or Early Bird $225 by 6/6
Learn about motions and forces, particularly as they relate to water, with LEGO Mindstorms NXT robotic programming. Develop technological design skills as you work with a team to build a robotic creation. Course includes field trip to a robotics company as well as mini competitions and challenges throughout the week!
KDE S01-31, OC/DP, 1 Mon./Tue./Wed./Thu., 7/25, 9 am-3 pm CRN 50832
KDE S01-32, OC/DP, 1 Mon./Tue./Wed./Thu., 7/25, 9 am-3 pm, Early Bird CRN 50833

ADVANCED WATERBOTICS (AGES 8-12) Fee: $300 or Early Bird $225 by 6/6
Apply laws of motions and forces, and strengthen technological design skills as you build your own robotic creation using LEGO Mindstorms NXT robotic programming. Course includes field trip to a robotics company as well as mini competitions and challenges throughout the week!
KDE S02-31, OC/DP, 1 Mon./Tue./Wed./Thu., 8/1, 9 am-3 pm CRN 50834
KDE S02-32, OC/DP, 1 Mon./Tue./Wed./Thu., 8/1, 9 am-3 pm, Early Bird CRN 50835
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<tr>
<th>Course</th>
<th>Ages</th>
<th>CRN</th>
<th>Dates/Time</th>
<th>Tuition</th>
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<td><strong>LEGO® FILMS AND STOP ACTION! AGES 8-12</strong></td>
<td>8-12</td>
<td>50953</td>
<td>6/6 - 6/9 9am-12pm</td>
<td>$123</td>
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<td>6/6 - 6/9 1pm-4pm</td>
<td>$123</td>
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<td><strong>MINECRAFT ANIMATORS, AGES 8-12</strong></td>
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<td>6/20 – 6/23 9am-12pm</td>
<td>$123</td>
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**TOTAL TUITION (Plus $8 Processing Fee)**
STUDENT AND PARENT INFORMATION

Student Name: ____________________________ Student Birth Date: __________________

Parent Name: ____________________________ Parent Birth Date: __________________

Home Address: ______________________________________________________________________

State: __________________ Zip: ___________ City: ________________________________

Emergency Phone Number: __________________________ Email Address: __________________

DEMOGRAPHIC INFORMATION OF STUDENT (This information is requested solely to comply with Federal Laws)

Are you Hispanic or Latino? (OR Are you of Spanish origin?)

☐ Yes Hispanic or Latino. ☐ Not Hispanic or Latino.

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

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

Are you in the United States on a Visa – Nonresident Alien?


METHOD OF PAYMENT

Mail registration and payment to Alliance for Lifelong Learning, P.O. Box 367, Skokie, IL 60077 or fax to 847-635-1448 (credit card only)

☐ Cash  ☐ Check (payable to Oakton Community College)  ☐ Credit Card  ☐ Discover

Check No. _______  Check one: ☐ Visa  ☐ Mastercard  ☐ Discover

Credit Card Number: __________________________ Exp. Date: ________________

3-Digit Verification Code (on back of card) _________

Signature: ___________________________ Date: ________________
OAKTON YOUTH STEM ACTIVITY AGREEMENT FORM

I, ____________________________, as parent or legal guardian

of ____________________________ do hereby expressly authorize them to participate in
_________________________ on ____________________________.

Course Codes (e.g., KIDU02 032, KIDU03,031)          Date Range (e.g., 6/8-6/11)

The undersigned affirmatively states that participant is in good health and is under no medical restriction which would inhibit participation in said activity.

The undersigned agrees to forever waive and relinquish all claims participant or the undersigned might have as a result of a participant’s participation in the activity. The undersigned further agrees to forever release and discharge the college, its officers, agents, trustees, and employees against and an all claims for losses, damages, judgments, claims, expenses costs and liabilities which the undersigned or participant may have as a result of participant’s participation in the activity.

The undersigned recognizes and acknowledges that there are inherent risks in the participation of the above-referenced activity which may result in serious bodily injury or death. In consideration of said participation, the undersigned agrees to hold harmless and indemnify the College, its officers, agents, trustees and employees against any losses, damages, judgments, claims, expenses, costs and liabilities imposed upon or incurred by or asserted against the College, its officers, agents, trustees and employees including reasonable attorney fees and expenses, caused by, arising from, incidental to, connected with or growing out of such participation.

During the course of the activity, in case of medical emergency, the undersigned hereby authorizes any local hospital, doctor, or other licensed medical practitioner, as well as emergency treatment personnel, to take whatever action necessary to address the medical emergency. If the undersigned is present during the activity, the undersigned shall retain the right to make all medically-related decisions regarding participant.

The undersigned certifies that the participant has health insurance coverage and the undersigned 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 the above and understand it. I enter into this agreement as my free and voluntary act.

Date: ____________________     Parent/Guardian Signature: ____________________________
PHOTO/VIDEO RELEASE FORM

Oakton would like to use the likeness of participants in the youth program for future marketing of youth programs ONLY. Please sign below if you are willing to grant permission for photos and video to be taken of your child/youth participant for this purpose.

I have read and understand the above:

Child/Youth Name ______________________________________

Parent/Guardian Signature ________________________________ Date ______________________