Summer 2015 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. In June, we offer half-day courses. For these courses, parents can register for a morning session and/or an afternoon session. During the months of July and August we offer full day (9am-3pm) courses. These courses include a trip to a Robotics company and/or visits to our Robotics Lab on the Oakton Campus.

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 glorial@oakton.edu for special consideration.

LUNCHES AND SNACKS
Students must bring their own lunches. If a student is attending two half day courses, students will be able to stay for lunch and eat in the cafeteria under the supervision of a STEM assistant. For full day courses, students will also eat in the cafeteria under the supervision of a STEM assistant.

TUITION AND FEES
Our half day courses cost $119 each. Our Full day robotics courses offered in July and August are $225 before or on June 1st and $300 after June 1st. 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 6-7), activity agreement form (p 8), and photo release form (p 9), and payment to:

   Oakton Community College
   Alliance for Lifelong Learning
   7701 N. Lincoln Ave, Skokie IL 60077
   Attn: Jesse Ivory

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

Lego Films & Stop Action! (Ages 8-10 and 11-14)
Make your LEGOds come to life! Bring in your favorite action figures or LEGOds 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 LEGOds 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. *Courses held on the Skokie Campus

App Attack! (Ages 8-10 and 11-14)
Take the first steps into the world of mobile app design and customize your own game app! Using a specialized app & game development tool, students will explore the world of web-based apps. In addition to learning the basics of mobile app design and game development, you will also see firsthand how the world of App publishing functions. Student-created apps will be accessible on a private site and can be played on any mobile device or computer. No prior experience is necessary and students do not need to own a smartphone or tablet to take the class. Students will work in pairs or teams for most of the program. *Courses held on the Skokie Campus

Minecraft Designers(Ages 8-10 and 11-14)
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. *Courses held on the Skokie Campus

Make Your First Video Game (Ages 8-10 and 11-14)
If you love playing video games, this is the camp for you! Make your first video game in this one-of-a-kind class that shows you the keys to designing your first 2-D game. Conceptualization, play experience, challenge levels, graphics, sounds, and simple coding are just some of the concepts that we’ll explore. No prior experience necessary, just a desire to have fun. Student-created games will be available on a password protected Black Rocket website to share with friends and family. Games are only compatible on PC computers; Mac versions can be created after the program for $15.00 conversion fee. Students will work in teams for most of the program. *Courses held on the Skokie Campus

App Adventures: The Next Level! (Ages 8-10 and 11-14)
Continue your quest to make the next viral app! Whether you want to move past the basic techniques learned in App Attack or want to jump right in, we are ready for you! All students will choose from a selection of different mobile app types and explore more in depth programming concepts. Student created apps will be accessible on a private site and can be played on any mobile device or computer. No prior experience is necessary and students do not need to own a smart phone or tablet to take the class. Students will work in teams for most of the program. *Courses held on the Skokie Campus
**Minecraft Modders (Ages 8-10 and 11-14)**
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 website 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.
*Courses held on the Skokie Campus*

**Robotics Level I Grades (Grades 4-6)**
Calling all young builders and engineers! Learn about structure and design by building with LEGO®s. 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! *Courses held on the Des Plaines Campus*

**Robotics Level II (Grades 6-8)**
Learn about structure and design by building with LEGO®s. 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! *Courses held on the Des Plaines Campus*

**Waterbotics (Grades 6-8)**
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! *Courses held on the Des Plaines Campus*

**Advanced Waterbotics (Grades 6-8)**
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! *Courses held on the Des Plaines Campus*
OAKTON YOUTH STEM REGISTRATION FORM (Page 1)

### JUNE COURSES
- **Lego Films & Stop Action!, Ages 8-10, KIDU01 031**
  - Dates: 6/8 - 6/11
  - Times: 9am-12pm
  - Tuition: $119

- **App Attack!, Ages 8-10, KIDU02 032**
  - Dates: 6/8 - 6/11
  - Times: 1pm-4pm
  - Tuition: $119

- **App Attack!, Ages 11-14, KIDU02 031**
  - Dates: 6/8 - 6/11
  - Times: 9am-12pm
  - Tuition: $119

- **Lego Films & Stop Action!, Ages 11-14, KIDU01 032**
  - Dates: 6/8 - 6/11
  - Times: 1pm-4pm
  - Tuition: $119

- **Make Your First Video Game, Ages 8-10, KIDU04 031**
  - Dates: 6/15-6/18
  - Times: 9am-12pm
  - Tuition: $119

- **Minecraft Designers, Ages 8-10, KIDU03 032**
  - Dates: 6/15-6/18
  - Times: 1pm-4pm
  - Tuition: $119

- **Minecraft Designers, Ages 11-14, KIDU03 031**
  - Dates: 6/15-6/18
  - Times: 9am-12pm
  - Tuition: $119

- **Make Your First Video Game, Ages 11-14, KIDU04 032**
  - Dates: 6/15-6/18
  - Times: 1pm-4pm
  - Tuition: $119

- **Minecraft Modders, Ages 8-10, KIDU06 031**
  - Dates: 6/22-6/25
  - Times: 9am-12pm
  - Tuition: $119

- **App Adventures: The Next Level, Ages 8-10, KIDU05 032**
  - Dates: 6/22-6/25
  - Times: 1pm-4pm
  - Tuition: $119

- **App Adventures: The Next Level, Ages 11-14, KIDU05 031**
  - Dates: 6/22-6/25
  - Times: 9am-12pm
  - Tuition: $119

- **Minecraft Modders, Ages 11-14, KIDU06 032**
  - Dates: 6/22-6/25
  - Times: 1pm-4pm
  - Tuition: $119

### JULY/AUGUST COURSES
(Early bird fees available on or before June 1st. Standard fees apply after June 1st)

- **Robotics Level I, Grades 4-6**
  - Dates: 7/13-7/17
  - Times: 9am-3pm
  - Tuition: $225/$300

- **Robotics Level II, Grades 6-8**
  - Dates: 7/20-7/23
  - Times: 9am-3pm
  - Tuition: $225/$301

- **Waterbotics, Grades 6-8**
  - Dates: 7/27-7/30
  - Times: 9am-3pm
  - Tuition: $225/$302

- **Advanced Waterbotics, Grades 6-8**
  - Dates: 8/3-8/6
  - Times: 9am-3pm
  - Tuition: $225/$303

**TOTAL TUITION (Plus $8 Registration 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?

❑ Yes in the United States on a Visa.    ❑ Not in the United States on a Visa. If Yes, Please Provide Home Country of Origin: ____________________________

METHOD OF PAYMENT

❑ Cash    ❑ Check (payable to Oakton Community College) Check No. Send checks (payable to Oakton Community College) to Alliance for Lifelong Learning, P.O. Box 367, Skokie, IL 60077.

❑ Credit Card For credit card payment only, 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 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