

Be the first to hear about CMU K-12 Educational Outreach news and events by [subscribing to our newsletter!](#)

Greetings Carnegie Mellon University campus contacts! The Office of the Assistant Vice Provost for Educational Outreach has compiled the information for this newsletter to serve as a new method for collaboration across campus partners. We hope that you will enjoy reading about the upcoming events and details from programs, departments, schools and colleges at our university and how they're connecting with the K-12 community! Subsequent issues of this newsletter will be sent out to our contacts on a monthly or bi-monthly schedule as we [receive news and updates](#).

Should you choose to be removed from this periodic newsletter, we will be sad to see you go, but you may do so by scrolling to the bottom of this newsletter, and selecting to either [update your preferences or unsubscribe](#).

November 2019 Headlines

- [250 Students Coming to Campus in January for Physics](#)
- [CMU Moneythink](#)
- [Gelfand Outreach - Save the Date!](#)
- [LGC STEM Ambassadors](#)
- [ETC at STEAM Carnival 2019](#)
- [Alice Releases NEW Player + VR](#)
- [LGC K-12 Tutoring - NOW Hiring for Spring 2020](#)



CUWiP 2020
PITTSBURGH

Looking for students who are now studying physics in college! A special conference for undergraduate women in physics is coming to Pittsburgh January 17-19, 2020.

This event is co-organized by four schools: Carnegie Mellon University, University of Pittsburgh, Duquesne University, and Washington and Jefferson College.

The APS Conference for Undergraduate Women in Physics (CUWiP) is a three-day regional conference for undergraduate physics majors. Our goal is to empower undergraduate women

be inspired by experts.
Applications are open now!

If you're in touch with any alumni from your high-school or outreach program who might be interested, please [pass this along](#) to them!



Moneythink

Carnegie Mellon University

**Money is the biggest barrier to college success.
We help students overcome that challenge.**

Moneythink Carnegie Mellon is a part of a national organization that connects college volunteers with local high school students with the aim of improving financial literacy in our society's youth. We develop a curriculum and travel to local Pittsburgh high schools to mentor students on personal finance-related topics such as taxes, student loans, credit cards, and more.

[Contact us](#) to sign up for our newsletter and follow us on [Facebook](#) to learn more!



Spring 2020 Registration Coming Soon!

These STEM classes are for students in grades K-9 and are all hands-on, challenging and FUN!

Spring Series Saturday morning workshops are held on CMU's campus on the following dates:

January 25th

February 22nd

March 21st

April 4th



[Alice](#) the innovative block-based programming environment that makes it easy to create animations, build interactive narratives, or program simple games in 3D has released a beta of its new external player that allows content created in Alice to run in a standalone player including VR integration. The new Alice Player has enabled us to bring Alice full circle back to its roots in Virtual Reality (VR). Alice began as a platform for researching virtual reality as part of Alice founder Randy Pausch's VR research lab Stage 3. It is super exciting to the Alice team to be enabling students to not just experience VR but to be able to author their own experiences. Read more about the [new developments!](#)



Carnegie Mellon University
Entertainment Technology Center

The ETC is excited to take part in the [2019 Steam Carnival](#) on Pittsburgh's North Side starting Nov 21st. From workshops on [Alice](#) to play testing a current ETC student project, [TechTile](#) be sure to stop by and check it out!

You may even find a friendly robot from CMU's HARP Lab busying about!

Carnegie Mellon University Leonard Gelfand Center

CMU Student Employment Opportunities in the K-12 Community

Did you know that the Leonard Gelfand Center hires more than 30 CMU students annually to support K-12 initiatives? We're hoping to double that number this academic year and spread our reach in the community! Consider posting our [job flyer](#) or sending it to students who may have an interest in K-12 educational outreach! Work study positions are available!

LGC Tutoring @ CMU

school programs via the LGC Tutoring program. This program provides opportunities for CMU students to share their expertise and passion for learning with children in the community. A Former tutor shared the following quote regarding his tutoring experience:

"I would like to extend my sincerest thanks for the opportunity to work at the LGC during my time at CMU. The speaking skills, communication abilities, and confidence that I built over the years as an LGC employee have been invaluable. I will never forget how impact the experience of teaching and tutoring has been on my own personal development." C. Breze, SciTech Tutor 2014-2018.

Tutoring positions are available now and are currently posted on Handshake (#2878242). From there, tutor applicants are screened, Act 153 Clearances are obtained, and tutors are trained before joining their teachers and/or existing team of tutors already providing services at any given location. Opportunities vary by location from a traditional tutoring role to a more specialized teaching assistant role. Schedules are planned on a case by case basis to ensure the best match for tutors and also site partners. We have a number of different partner sites and are developing new relationships each year to expand [this program](#).

LGC STEM Ambassadors

Did you know? Leonard Gelfand Center STEM Ambassadors support Carnegie Mellon educational outreach initiatives by presenting hands-on activities, demonstrations, panel discussions and tours that teach K-12 students about science, technology, engineering or mathematics subjects and research. During Fall 2019 the STEM Ambassadors' schedule has programs on 14 different dates, including events such as SciTech Days at Carnegie Science Center, the STEAM Carnival at the Pittsburgh Children's Museum, three on-campus field trip groups, and the KidZone at Carnegie Mellon's homecoming. These student employees can participate in paid weekly professional development programs to learn how to present a variety of STEM-focused lessons and demonstrations. These sessions will also include information about working with children of different ages. STEM Ambassadors can also design new demonstrations and hands-on activities.

Students who are interested can **learn more about the STEM Ambassador opportunity by contacting [Dr. Judith Hallinen](#)** directly.

CMU K-12 Educational Outreach Directory

The Alice Project



Alice is an innovative block-based programming environment that makes it easy to create animations, build interactive narratives, or program simple games in 3D.

Eric Brown

Director

[The Alice Project](#)

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Career & Professional Development Center

**Carnegie
Mellon
University**

Career &
Professional
Development
Center

The CPDC empowers students and alumni to optimize their professional and life potential through career exploration, experiential learning, and connections with employers and opportunities.

Pati Kravetz

Associate Director for Experiential Learning & Student Employment

[Career & Professional Development Center](#)

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Center for Architecture Explorations

Center for Architecture Explorations

with youth education, university service learning projects, engagement with the architectural practice, and academic research to explore ways we can support architectural education pedagogy and foster equity and diversity in building industry professions.

Jenna Kappelt

Manager of Outreach Programs

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Computer Science Academy

CMU CS Academy is a project in Carnegie Mellon University's School of Computer Science that has the goal of developing a novel, world-class, online, interactive high school computer science curriculum that is entirely free.

Erin Cawley

SCS - CMU [CS Academy](#) Program Manager

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Department of Physics**Physics Outreach****Diane Turnshek**

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Entertainment Technology Center

Providing leadership in education and applied research that combines technology and art, to explore learning, storytelling, innovation and entertainment, and to create experiences that educate, engage and inspire.

Imagine working with some of the smartest, most creative people on the planet to produce interactive media that's entertaining and engaging. Carnegie Mellon University's Entertainment Technology Center (ETC) excels at the intersection of technology, art and design. Here creative individuals are challenged to explore, experiment and collaborate to create games, designs and stories using the latest technologies.

John Balash

Director of Educational Engagement

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Martin Luther King, Jr. Day Writing Awards

Jim Daniels

Thomas Stockham Baker University Professor
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Founder/Director, [Martin Luther King, Jr. Day
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Mellon College of Science

Mentoring High School Students Towards Summer Session

William Alba

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MoneyThink CMU



Moneythink

Carnegie Mellon University

**Money is the biggest barrier to college success.
We help students overcome that challenge.**

Moneythink is a movement of college students working to restore the economic health of the United States through financial literacy education in underprivileged areas. CMU students are trained to serve as mentors to low-income teens in high school classrooms located right here in Pittsburgh. Our mentors lead students through a weekly program focused on the real-world financial decisions and deliver effective financial and career education to our students.

moneythinkcmu@andrew.cmu.edu
<http://moneythinkcmu.org/>

Office of the Assistant Vice Provost for Educational Outreach (AVPEO)

Leonard Gelfand Center

Carnegie Mellon University

Leonard Gelfand Center

The Leonard Gelfand Center works with faculty, students and staff through on-campus and community-based activities that improve educational opportunities, especially in the areas of science, technology, engineering and mathematics education for youth. The Leonard Gelfand Center for Service Learning and Outreach was endowed by alumnus Mark Gelfand to create and strengthen partnerships with local schools and education providers.

[AVPEO](#)

Director of the [Leonard Gelfand Center for Service Learning and Outreach](#)

hallinen@cmu.edu

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- Supports faculty Broader Impacts work
- Point of contact for PA Act 48, [K-12 educator PD](#)
- Designs & implements K-12 programs
- Advises [StuCo](#) (Student College)
- Consults with CMU students wishing to pursue careers in K-12 education

Pamela Piskurich, MS

Program Director of the [Leonard Gelfand Center for Service Learning and Outreach](#)

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- [Gelfand Outreach](#) Program Director for Saturday and Summer programs
- Creates schedule and calendar for Gelfand Outreach programs
- Organizes and provides support for on and off-campus STEM outreach activities
- Manages GO Teaching Assistants and office student employees

Assistant Director of the [Leonard Gelfand Center for Service Learning and Outreach](#)

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- Business Manager & Department Initiator for AVPEO/LGC
- [StuCo](#) Course Administrator
- [K-12 LGC Tutoring Coordinator](#)
- [Gelfand Outreach](#) database developer
- [STEM Career Explorations and 360 Lab Tours](#) project manager
- Graphic & web design for AVPEO/LGC

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- Gelfand Outreach Program Coordinator
- [K-12 LGC Tutoring Coordinator](#)

Office of the Provost - Simon Initiative

Named for the late Nobel and Turing Award laureate and CMU Professor Herbert A. Simon, the Simon Initiative harnesses a cross-disciplinary learning engineering ecosystem that has developed over several decades at Carnegie Mellon. The initiative's goal is to measurably improve student learning outcomes.

Maggie Hannan

Associate Director of K-12

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Pittsburgh Supercomputing Center



with access to several of the most powerful systems for high-performance computing, communications and data storage available to scientists and engineers nationwide for unclassified research. PSC advances the state of the art in high-performance computing, communications and data analytics and offers a flexible environment for solving the largest and most challenging problems in computational science.

[BEST](#) - [Bioinformatics Education for Students](#) & [Project GCode](#)

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Thank you to our contributors!

This newsletter is a collaborative project across CMU schools, colleges, departments, offices, and programs with information compiled and shared by the Office of the Assistant Vice Provost for Educational Outreach and the Leonard Gelfand Center with the CMU campus community. We hope to expand our reach with each issue as this project grows and continually improves for our audience. If you have questions or comments about the individual articles, please reach out to the program contact directly. If you would like to add an additional CMU K-12 Educational Outreach directory listing or news item for subsequent issues of this newsletter, please contact [Kristin Lavery](#).



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