GIRLS IN TECHNOLOGY 2021

JUNE 3RD
3:30 - 5:30 PM
100% VIRTUAL

HUDSON COUNTY COMMUNITY COLLEGE
CONTINUING EDUCATION & WORKFORCE DEVELOPMENT

WELCOME!

Thank you for joining Hudson County Community College's Division of Continuing Education and Workforce Development for the Eighth Annual Girls in Technology – Virtual Edition!

We also thank your teachers, counselors, and administrators who encourage you to pursue your passion for STEM. As the program unfolds, we encourage you to engage and ask questions during our "A Day in the Life of Women in STEM" panel and STEM demonstrations.

We hope you leave more inspired than before!

STUDENT ESSAY CONTEST WINNER

"WHAT INSPIRES ME ABOUT TECHNOLOGY"

Linda Flores

9th Grade Student

Jose Marti STEM Academy

Linda Flores is a freshman student at Jose Marti STEM Academy in Union City. She has participated in science research over the summer and is an active Student Council member at JMSA. Aside from being a hardworking and kind hearted person, Linda loves to experiment and explore new hobbies and take on challenges. She has many aspirations, which include having a career in the STEM field, but is still exploring her options.

PANEL DISCUSSION

“A Day in the Life of Women in STEM”

ASK AWAY!

- SAVE QUESTIONS UNTIL THE END OF THE PANEL
- TYPE YOUR QUESTION INTO THE Q&A CHAT BOX
- SOMEONE WILL READ YOUR QUESTION OUT LOUD

Sarra Hayone

Astrophysics Research Assistant
American Museum of Natural History

Sarra Hayoune graduated from Hudson County Community College with an Associate in Computer Science and now is a Junior at Stevens Institute of Technology pursuing a major in Physics and Astronomy. Sarra is engaged in research exploring the growth of massive black holes in their galaxies. Upon completion of her undergraduate studies, she intends to apply to graduate school to further her knowledge of Astrophysics and progress toward a career as a researcher. Sarra enjoys cooking and food photography.

Natalie Lihacova

Co-founder and CEO
Mr. Simon

Natalie is a co-founder and business lead of an IT Consultancy called Teammate.Exec www.teammate-exec.com that provides software application services for enterprise companies. She is also a co-founder of a startup called Mr. Simon www.mrsimon.ai that helps job seekers to prepare for an upcoming job interview.

Natalie has Bachelor’s degree in Computer Science and a Master’s degree in Business Management. Her two favorite words are Harmony and Excitement, both in her personal and professional life. She strongly believes that our work, as humans, should be creative and exciting, and the boring activities should be automated and done by machines.

Thzaira Charles, P.E.

Senior Airport Engineer

Port Authority NY, NJ

Thzaira currently works for the Port Authority of New York and New Jersey at LaGuardia Airport as a Senior Airport Engineer. In her current role she manages the design reviews and close out for the New Terminal C being constructed by Delta Airlines. Prior to her role at LaGuardia Airport, Thzaira worked in the Environmental Engineering Unit in the Engineering and Architecture Design Division in the Engineering Department. As an Environmental Engineer, she worked on remediation programs (clean up of pollution), ensuring that the tanks are in compliance and on all the environmental requirements for large construction projects, such as the rehabilitation of runways at the New York Airports.

Thzaira holds a Bachelor of Engineering in Chemical Engineering from The Cooper Union for the Advancement of Science and Art and also holds a Masters of Engineering in Chemical Engineering with a minor concentration in Environmental Engineering from Cooper Union.

Thzaira is a member of the National Society of Black Engineers (NSBE) Professionals (for over 25 years counting), served as the 2010-2011 National Professionals Chair and is proud to be NSBE Lifetime Member #207. Thzaira has also been a part of some choir or other for over 30 years where she enjoys singing all kinds of music.

Meridangela Gutierrez Jhong

Security Consultant
Accenture

For Meri, it is important to enable a collaborative, learning environment that creates a platform for innovation and best delivery practices. She is currently a Security Consulting Consultant with specialization in Identity and Access Management. She seeks to learn more of the Cybersecurity ecosystem and IAM. In addition, Meri is passionate about Inclusion and Diversity as well as closing the gender gap for women in technology. She participates in various I&D initiatives including Girls Who Code.

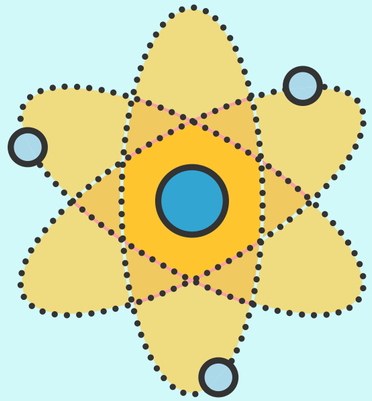
Carolyn Oser

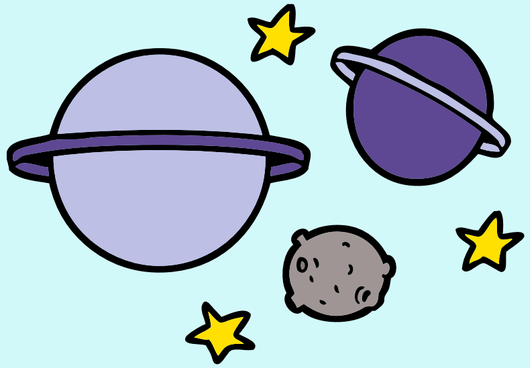
Vice President,
Business & Technology Transformation
EmblemHealth-ConnectiCare

Carolyn Oser is the Vice President of Business & Technology Transformation at EmblemHealth - a health and wellness company that provides insurance plans, primary and specialty care, and wellness solutions. As one of the nation's largest not-for-profit health insurers, EmblemHealth serves more than three million people in the New York tristate area.

Carolyn specializes in structuring and delivering technology-enabled business transformations in the health insurance industry and have over 25 years of experience including 15 years in management consulting. She has worked with large national health plans, multi and single state plans, and small regional plans in solving their most complex business issues. Carolyn loves to solving complex problems and developing high-performing, inclusive, and culturally diverse teams.

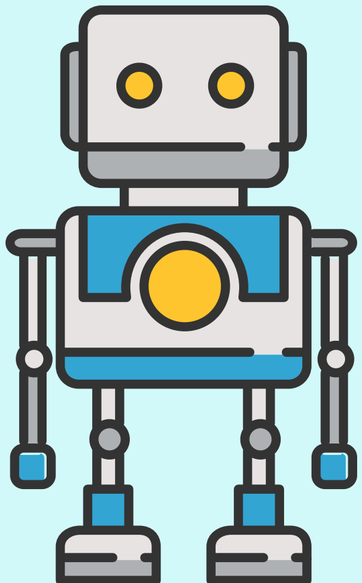
Carolyn was born and raised in the Greenville section of Jersey City. She attended Saint Dominic Academy and graduated from Rutgers College New Brunswick with a BA in Political Science.





STEM DEMONSTRATIONS

GET INVOLVED!



- SAVE QUESTIONS UNTIL THE END OF EACH DEMO
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Chef Marissa Lontoc

College Lecturer,
Culinary Arts Institute
Hudson County Community College

A board-certified educator, Marissa has been teaching for 15 years. She has worked as a pastry chef at Skinner's Loft and Liberty National Golf Course in Jersey City. She also has experience working in Francois Payard Bakery and Nobu in New York City. She currently teaches Advanced Bread classes at HCCC. Aside from teaching, Marissa also coordinates the baking and pastry program of the Culinary Arts Institute. She has developed new courses for the program and was responsible for the program being accredited by the American Culinary Federation. She is involved with student assessment and grant funding.

Dr. Clive Li

STEM Division Professor
Hudson County Community College

Clive Li is an engineering science instructor at Hudson County Community College. He is the inventor of the Biodegradable Diaper (patent #20170224540), the Eggshell Bio-composite (patent #20140323616), and theWearable Aromatic Device (patent #20160174694). His research group at HCCC collaborates with researchers across several disciplines and utilizes different techniques, including plasma sputtering, scanning electron microscopy, X-ray fluoresce, electro-spinning, UV-visible spectroscopy and Fourier Transform Infrared spectroscopy. His current research is focused on biomaterials and nanotechnology.

STEM RESOURCES

CODE AT HOME ACTIVITIES

FREE COMPUTER SCIENCE ACTIVITIES FOR STUDENTS, EDUCATORS, AND PARENTS

Check bi-weekly for new activities - some online, some offline, of varying levels of difficulty. Each activity features a woman in tech who pioneered innovative technology.

STEM CAREER VIDEOS

A Day in the Life of a Food Technologist

Spend a day doing taste tests with Ashleigh and find out what an average day might look like if you were a Food Technologist!

https://www.youtube.com/watch?v=jufStF3KbOY

The 10 Highest Paying STEM Careers You Should Consider Today

The present and the future economies are largely dependent on STEM careers. As technology evolves and we become ever more reliant on the digital world around us, occupations within the STEM fields are likely to replace many traditional professions.

https://youtu.be/zxUIWi8HYBc

Jobs for Nurses Beyond the Bedside

There are so many jobs for nurses that aren't by the bedside!

https://www.youtube.com/watch?v=lVlZNMDrZio

Career Tip!

Check out YouTube for videos of people in different STEM jobs to get a behind-the-scenes look and learn about moe options.

TOP 100 WOMEN IN TECHNOLOGY

Celebrate the female leaders that are having the biggest impact on technology globally

https://technologymagazine.com/magazine/technology-top-100-women-technology

STEM AT HOME
Activities

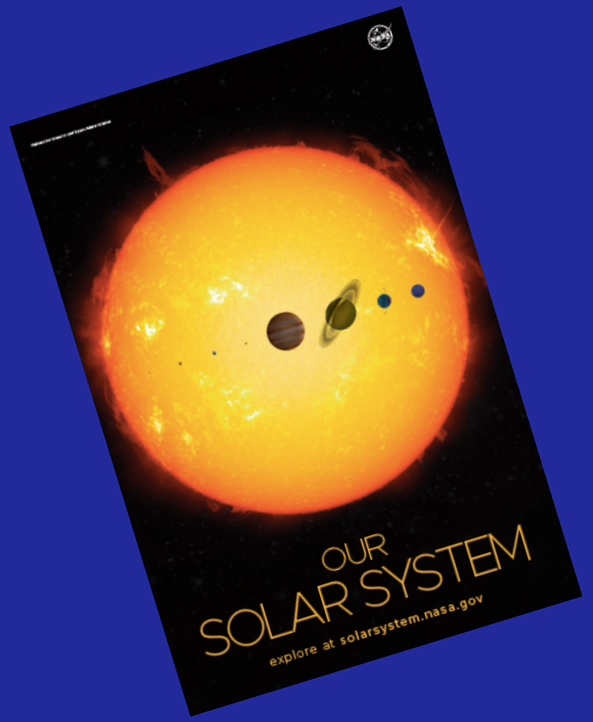
Build Phone Games and Coding Basics
https://code.org

Develop Programming Skills
https://www.tynker.com

STEM Projects
https://www.epa.gov/students &
https://www.sciencebuddies.org

Math Games
https://www.hoodamath.com/games/highschool.html

Exploratorium
https://www.exploratorium.edu/explore



STEM POSTERS & STICKERS

STEMINIST

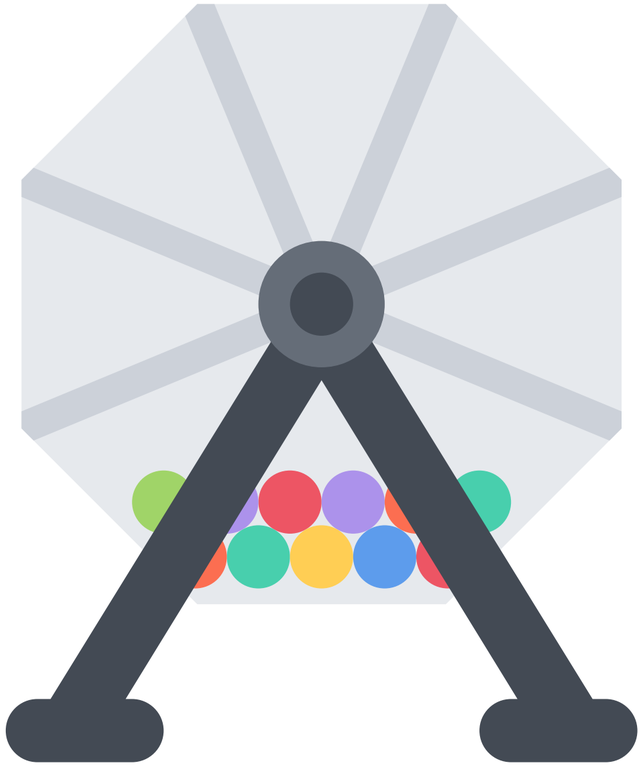
Download at:
https://tinyurl.com/GIT2021SWAG

(Files available on 6/3/21)

THANK YOU
TO OUR STUDENT PRIZE SPONSOR!

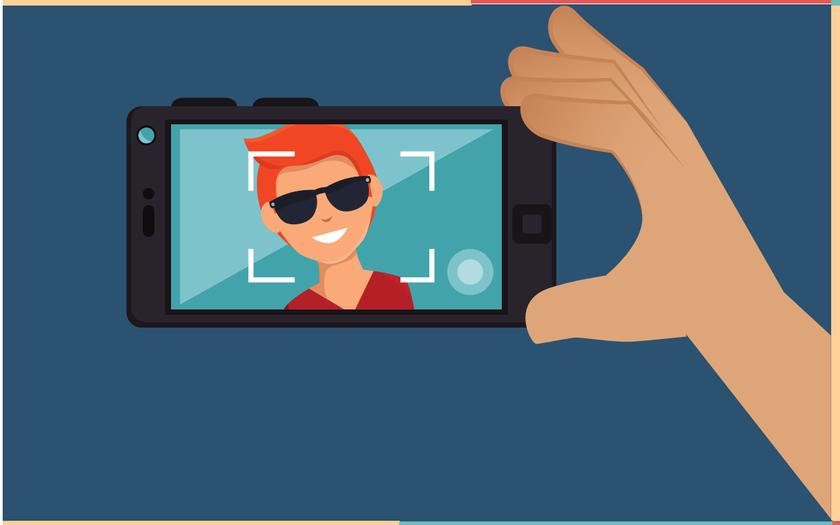
University of Phoenix

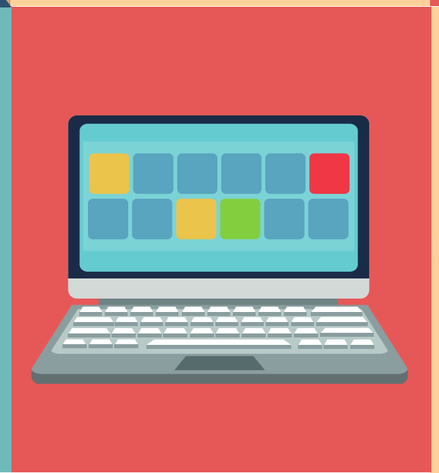
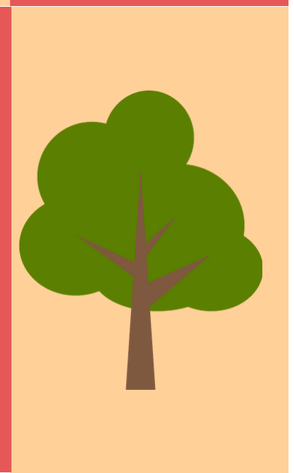
CAREER WITH CONFIDENCE™



Each student attendee will be entered into a raffle to win a $50 voucher towards Continuing Education's Youth & Teens Programs!

10 Winners will be drawn!



SUMMER YOUTH & TEENS PROGRAMS

REGISTRATION IS OPEN!

JULY 12 - AUGUST 27

BOTH IN-PERSON & VIRTUAL AVAILABLE!

- Digital Photography Field Trips
- Virtual Baking & Cooking Classes
- SAT Language & Math Prep

www.hccc.edu/summeryouthprograms

To learn more please contact:

cguerra@hccc.edu 201-360-4246

EARLY COLLEGE at HCCC

The Hudson County Community College Early College program permits high school juniors and seniors in Hudson County to enroll in up to 18 college-level credits per academic year at a 50% discount off of the in-county tuition rate and earn credits towards a degree. Upon graduating from high school, credits for the HCCC classes may be applied towards a college degree at HCCC or other colleges and universities.

More details on the program can be found here:
https://www.hccc.edu/programs-courses/academic-pathways/early-college/index.html

Students from High Tech High School, please contact SecaucusCenter@hccc.edu for more information. All other high school students, please contact EarlyCollege@hccc.edu

HUDSON COUNTY COMMUNITY COLLEGE

CONTINUING EDUCATION & WORKFORCE DEVELOPMENT

Discover more
programs & events at:

www.hccc.edu/continuingeducation