

# GIRLS IN TECHNOLOGY 2022

**JUNE 2ND**  
**3:30 - 5:30 PM**  
**100% VIRTUAL**



HUDSON  
COUNTY  
COMMUNITY COLLEGE  
CONTINUING EDUCATION &  
WORKFORCE DEVELOPMENT





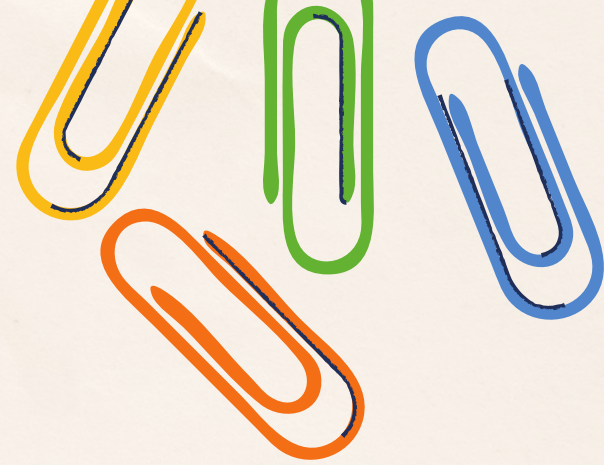
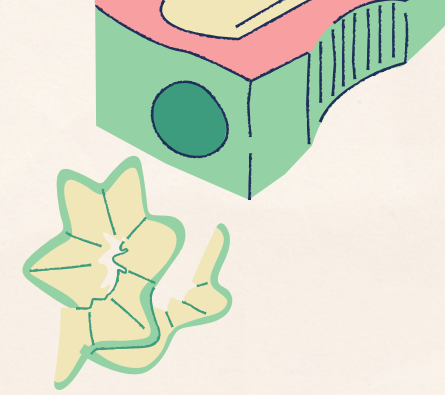
# WELCOME!

Thank you for joining Hudson County Community College's Division of Continuing Education and Workforce Development for the **Ninth 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!

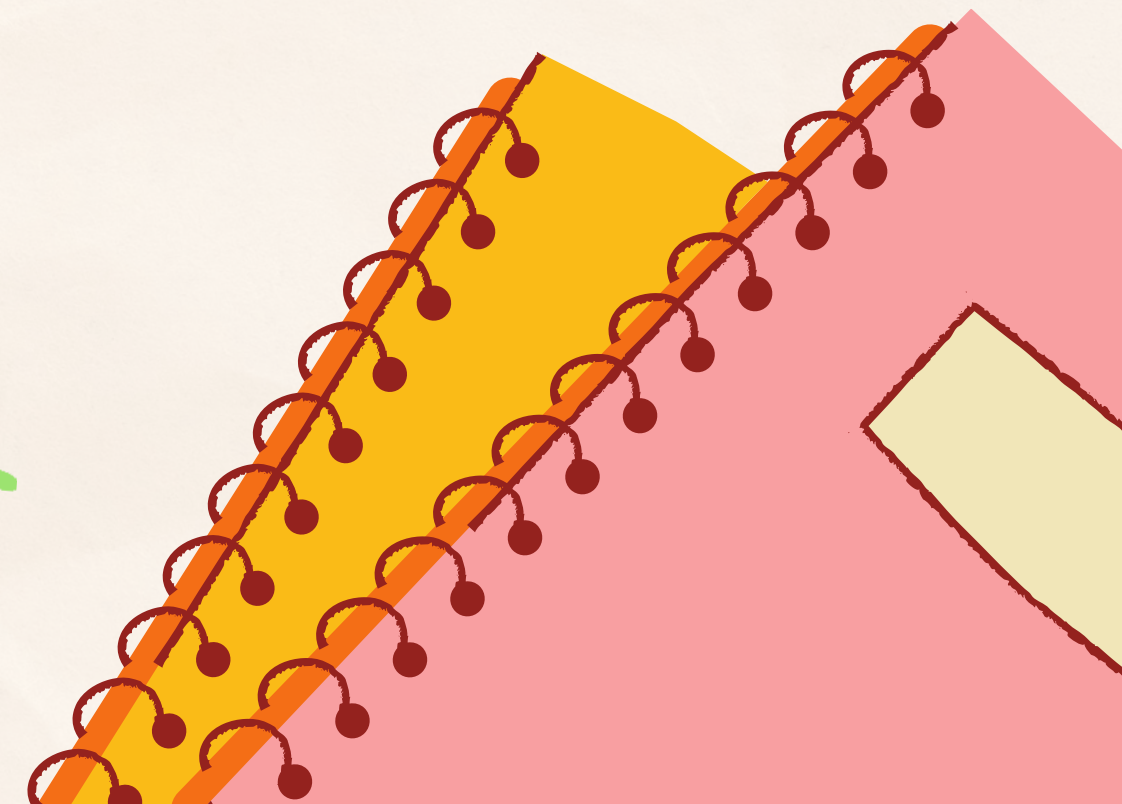




STUDENT ESSAY CONTEST WINNER



"WHAT INSPIRES ME ABOUT TECHNOLOGY"







# Steffani Rajapaksha

Jose Marti STEM Academy

Steffani Rajapaksha is a rising Sri Lankan high school senior at Jose Marti STEM Academy and is a first generation American who aims to attend a top 20 university where she intends to pursue a degree in chemical engineering and attend medical school. Her interests include coding, journaling, and henna designs. Steffani has taken an initiative to uplift and educate women in the field of STEM through establishing a "Girl's Power in Stem" club at Jose Marti STEM Academy with fellow peers.





# 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
- 



# Dr. Fahima Bacha

Secondary Mathematics Supervisor at North  
Bergen High School

Adjunct professor at New Jersey City University

Dr. Fahima Bacha holds an Ed. D. in Educational Technology Leadership and a Master's Degree in Computer Science. As an educational leader, she initiates change and promotes learning in Science, Technology, Engineering, and Mathematics (STEM). Fahima Bacha was selected as the "Featured Woman in Technology" at the HCCC Girls in Technology Symposium.







# Stephanie Ginos

Director, Technology Operations  
Shared Services Leader  
Ernst & Young

Stephanie has worked in the Information Technology field, spanning a three and a half-decade career across several Fortune 500 companies. She joined EY in 2014 starting her journey leading the Global Converged Services Management team in IT, which was responsible for several functions including operational responsibility and oversight of the global production data and perimeter network, Collaboration Services technology infrastructure including voice and video services, End User Technology Operations including messaging platform support, connectivity for our cloud providers (O365, SKYPE, Rackspace, Azure) and Fraud Investigation and Dispute Service infrastructure driving timely remediation of infrastructure incidents across diverse global organizational structure. Today, Stephanie leads Technology Operations Shared Services, focused on operational support for our client technology platform for external clients, including cloud, infrastructure, ServiceNow (Engineering and Operations), Analytics as well as Change, Incident, Problem and Service Transition Management.

At EY, Stephanie has been a passionate advocate for diversity in the workplace and was appointed to serve as a Client Technology Diversity, Equity and Inclusiveness Leader. In addition, Stephanie has worked to bring focus on the importance of gender equity and is co-leading a program at EY to promote the advancement of Women in Technology, targeting recruitment efforts, personnel development and advocacy as well as tackling unconscious bias in the workplace. Stephanie has also served as Co-Chair of the Americas Unity professional network steering committee to support and promote an LGBT+ inclusive culture at EY. She co-developed EY's Ally2Advocate program with gamification to encourage self-identification, ally involvement and knowledge sharing.



# Jessica Guerrero

## Head of Cloud GTM Diversity, Equity, and Inclusion, Google

Jessica Guerrero is currently the Global Head of Diversity, Equity and Inclusion (DEI) for Google Cloud Go-To-Market (GTM), leading a team to define, articulate and implement Cloud GTM's DEI business strategy, and is part of the Cloud GTM Strategy & Operations organization. In this role, Jessica serves as a thought leader for Google Cloud executives, partners with Google's HR counterparts in driving progress on our DEI people processes strategy, and cultivates a community of practice on DEI with Google Cloud's customers and partners. Jessica also is a co-lead for the Black Googler Network (BGN) NYC chapter.

Prior to Google, Jessica held similar roles, most previously a strategic DEI advisor to The Wharton School (Wharton) at the University of Pennsylvania's (Penn) MBA Program for Executives (WEMBA), she also served as NYU Langone Health's Director for Diversity and Inclusion and before then, back at Wharton as the Senior Associate Director for Diversity, where she led the MBA Program's diversity, belonging and inclusion initiatives. Earlier in Jessica's career, she held numerous diversity related roles at NYU (main campus), Princeton University, and the University of Pennsylvania. Jessica earned a Bachelor's from Lehigh University, double majoring in Sociology and English, and a Master's degree from the University of Pennsylvania's Graduate School of Education.

Jessica currently works out of Google's New York City, US office. When Jessica isn't at work, she is spending quality time with her husband, Oscar and four children Lluvia (8), Beau (6), Luna (3) and Sonny (1)!







# Anchal Gupta

## Managing Director of Enterprise Product & Platform Engineering, DTCC

Anchal Gupta is Managing Director of Enterprise Product and Platform Engineering at The Depository Trust & Clearing Corporation (DTCC). In this capacity, she leads the firm's global infrastructure delivery including data, cloud, and DevSecOps platforms and engineering. Anchal also oversees the firm's IT resilience capabilities and enterprise production assurance functions. Prior to working at DTCC, Anchal served as Head of Engineering at Barclays, and held several technology leadership roles at American Express.

Anchal is passionate about being a change agent and fostering a culture of innovation that challenges the status quo. She drives transformation with a customer first mindset, partnering with stakeholders, senior executives and the Board. She believes in empowering others to succeed and developing team talent. Anchal leads the firm's Women in Technology group, promoting networking and professional development for IT employees.

Anchal brings to DTCC over 22 years of experience across multiple industries, with the majority of her time in financial services. She spends her time volunteering with organizations that support leadership development opportunities for women.



# Nicole Loher

Climate Communications Strategist,  
New York University &  
Fashion Institute of Technology Adjunct Professor

Nicole Loher is a seasoned digital strategist, adjunct professor at New York University and the Fashion Institute of Technology and climate change advocate. Nicole's work sits at the intersection of insights, strategy and emerging technology to help tell stories that advance complex communications goals. Her work has received multiple awards, has been recognized in press, and is featured in the Smithsonian. She is currently finishing her Master's at Columbia University's Climate School with a focus on communications and policy while consulting for a variety of climate solution-focused organizations, including the Department of Energy. In her free time, she is a casual marathoner and ceramist.





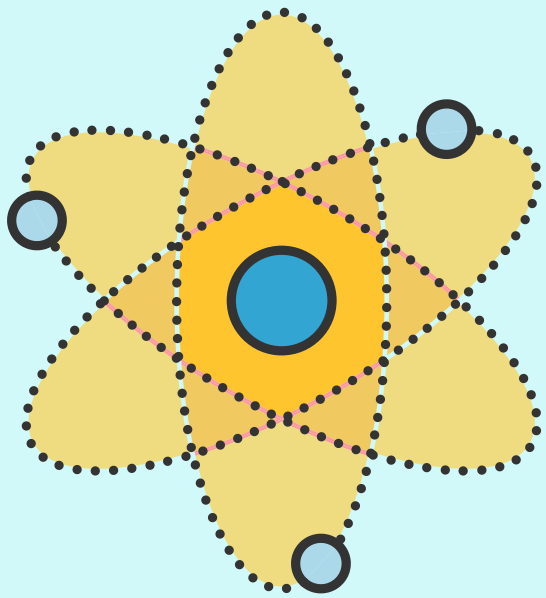


# Michelle Megala

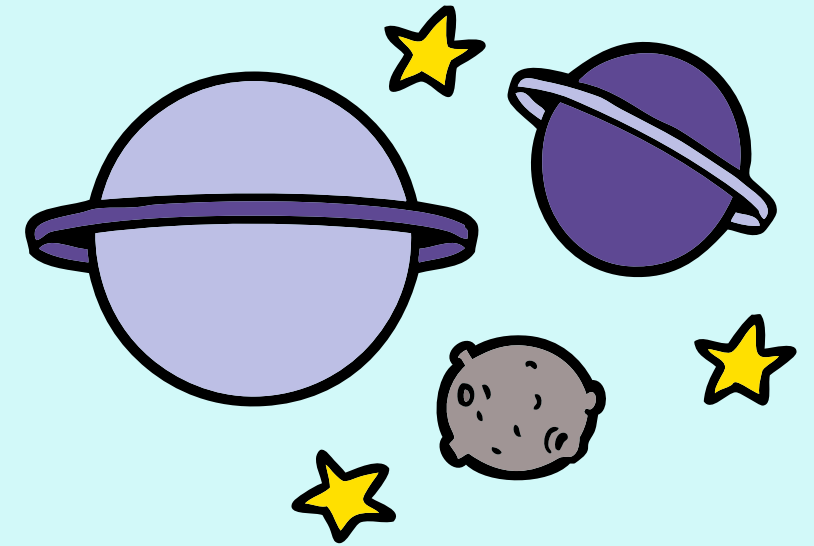
President  
Hickory Industries, Inc.

Michelle Megala is a graduate of Elizabeth High School (2015) and Boston University (2019) and currently a 25-year-old fresh in the manufacturing and supply chain industry. She is the current Chief Executive Officer, or CEO, of Hickory Industries, a 75-year-old manufacturing company in North Bergen, New Jersey. Hickory Industries is a producer of rotisserie ovens, churrasco grills and display warmers and is very proud to be Made in the USA.



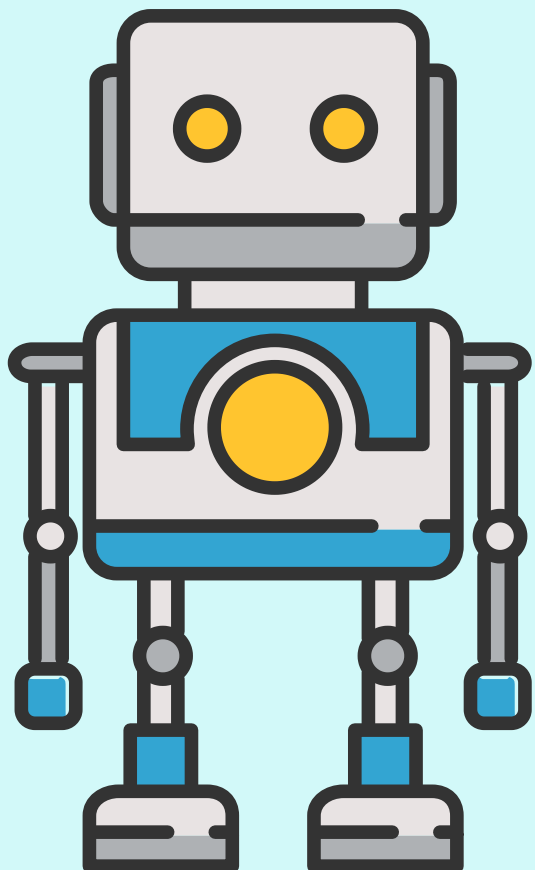


# STEM PRESENTATIONS



*GET INVOLVED!*

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





# Maria E. Ferreyra

Supervising Associate – Policy & Awareness  
Ernst & Young

Maria is a Supervising Associate in the EY Policy & Awareness team and primarily functions as an Information Security Ambassador Program Manager. She has more than 14 years of experience in the field of Information security, leading compliance and risk teams. María consistently seeks ways to improve and develop new skills that will help enable the company's secure mindset. She describes herself as a people-person and highly values teamwork.







Amber N. Gutierrez

PROJECT ENGINEER

Ece Okat

ESTIMATOR



Regi Mulla

PROJECT MANAGER


Gemma David

ESTIMATOR

# Amber Gutierrez, Engineer Ece Okat, Estimator Regi Mulla, Project Manager Gemma L. David, Estimator Eastern Millwork, Inc.

Eastern Millwork, Inc. (EMI) is a 29 year old custom woodworking company that has embraced technology to automate high-end manufacturing and installation. We operate from a newly constructed facility factory in Jersey City, New Jersey. EMI challenges the common belief that high quality woodwork can only be provided manually. In an industry slow to evolve, our company's focus has been to employ technological innovations in architectural woodwork to deliver uncommon value to our customers without sacrificing old world quality. We have developed and implemented both information management and production automation solutions within a lean and high production velocity program. The result is reduction of all non-value actions and increased supply chain speed with flexibility for a dynamic project environment. This limits quality control variables and increases our productivity through the focused reduction of labor per parts produced. The end product is higher quality, faster delivery, and lower cost for our projects.





# STEM RESOURCES



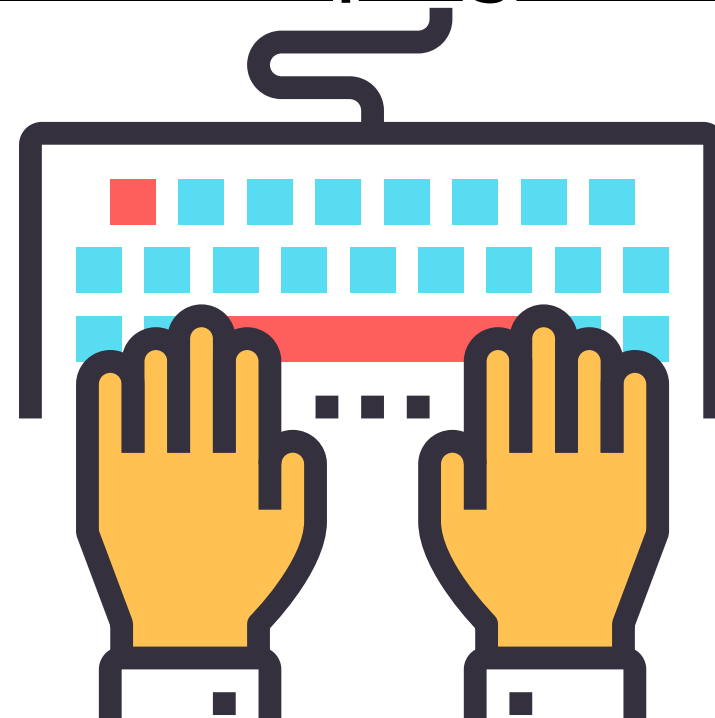


# CODE AT HOME ACTIVITIES

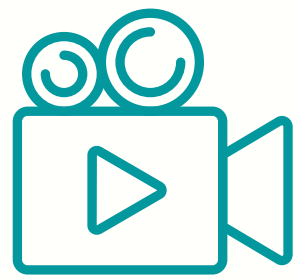
FREE COMPUTER SCIENCE ACTIVITIES FOR STUDENTS, EDUCATORS, AND PARENTS

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.

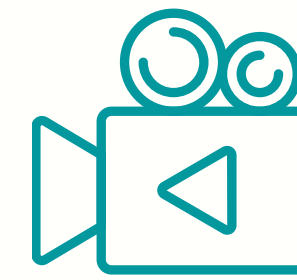
<https://girlswhocode.com/programs/code-at-home>







# STEM CAREER VIDEOS



## A Day in the Life of an Engineering Physicist

Linda Bagby keeps Fermilab's neutrino experiments grounded. As an engineering physicist and electrical coordinator for Fermilab's short-baseline neutrino program, she integrates the electronic subsystems into an experiment where all the electronics work together. You might find her cheerfully fielding questions in Wilson Hall, taking painstaking measurements at one of the detector sites or meticulously inspecting equipment at a test site.

<https://www.youtube.com/watch?v=g9p0-bmyVtg>

## STEM Careers: Inspire the Next Generation of innovators

STEM careers are fueled by inquiry. In this engaging video, STEM professionals explain where their career paths began and the impact they make through their work.

[https://www.youtube.com/watch?v=XZvU\\_FASw7Ei](https://www.youtube.com/watch?v=XZvU_FASw7Ei)

## Jobs in Statistical Science

Large corporations these day utilize statisticians to get insight into marketing, profitability, quality control, medical analysis, research, and much more. While there are many jobs available to those with a bachelors in statistics, a masters can open up other opportunities such as quantitative finance.

<https://www.youtube.com/watch?v=4UEpl6cs528>

## Career Tips for STEM

How to Prepare For a Major (or Career) in Engineering, Math, or Science

<https://www.youtube.com/watch?v=wEoy3KabZwE>



BLACK  
GIRLS  
CODE

SUMMER

*Camp '22*

BLACK  
ART

THROUGH

JAVASCRIPT

*New York City*

*8/1 - 8-12*

For tickets & info: [bit.ly/bgc-nyc](https://bit.ly/bgc-nyc)



# Black Girls CODE

## Presents:

BLACK ART THROUGH JAVASCRIPT - NYC  
SUMMER CAMP

JOIN BLACK GIRLS CODE FOR A TWO-  
WEEK SUMMER CAMP ON THE THEME OF  
BLACK ART.

YOU'LL GET TO KNOW ARTISTS LIKE  
JEAN-MICHEL BASQUIAT AND 12-YEAR-  
OLD NFT CREATOR NYLA HAYES AS YOU  
CODE DESIGNS AND FUNCTIONS IN THE  
JAVASCRIPT LIBRARY P5.JS.

[HTTPS://BIT.LY/BGC-NYC](https://bit.ly/bgc-nyc)





# STEM AT HOME

## Activities

### **Math Games**

<https://www.mindgames.com/Math+Games>

### **Exploratorium**

<https://www.exploratorium.edu/explore/nature-of-science>

### **STEM Projects**

<https://extendedstudies.ucsd.edu/news-and-events/division-of-extended-studies-blog/July-2020/5-At-Home-STEM-Projects-for-Kids-and-Adults>

<https://www.steampoweredfamily.com/category/activities/>

### **Coding Games**

<https://www.codingame.com/start>

### **Develop Programming Skills**

<https://www.w3schools.com/>

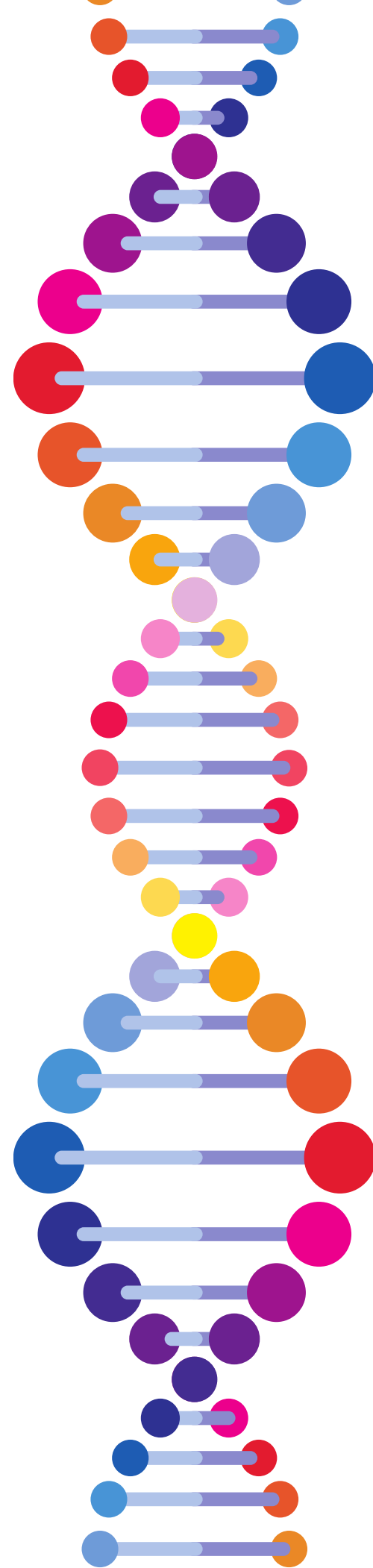
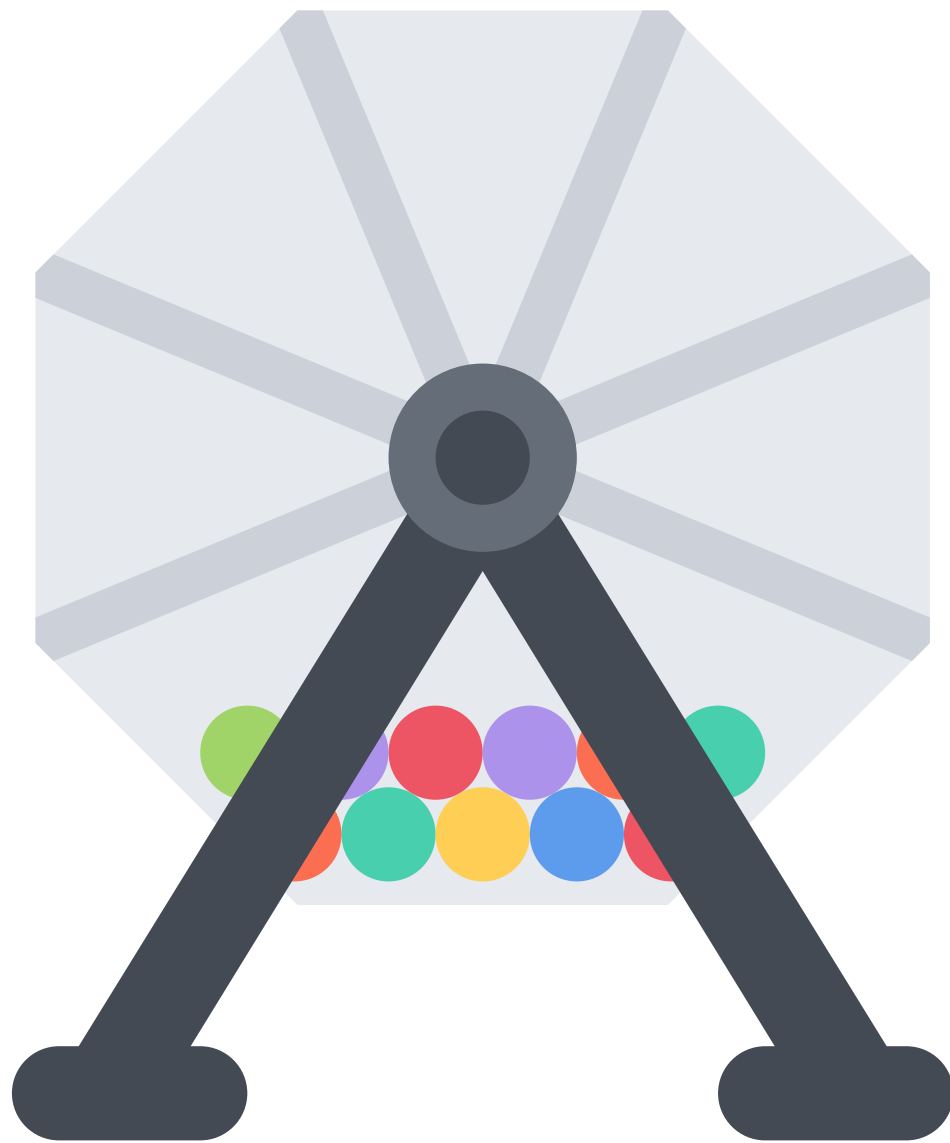




# THANK YOU TO OUR SPONSORS!

Each student attendee will be  
entered into a raffle to win a \$100  
voucher towards Continuing  
Education's Youth & Teens Programs!

3 Winners will be drawn!







# SUMMER YOUTH & TEENS PROGRAMS

*REGISTRATION IS OPEN!*

**JULY 11 - AUGUST 26**

*BOTH IN-PERSON & VIRTUAL AVAILABLE!*

- ☀ Digital Photography Field Trips
- ☀ Virtual Baking & Cooking Classes
- ☀ SAT Language & Math Prep
- ☀ CPR and First Aid

[www.hccc.edu/summeryouthprograms](http://www.hccc.edu/summeryouthprograms)

To learn more please contact:

☀ [cguerra@hccc.edu](mailto:cguerra@hccc.edu) ☀ 201-360-4246



Registration has now opened  
for the Summer and Fall  
Semesters at  
**HUDSON COUNTY  
COMMUNITY COLLEGE.**



**All high school students  
In Hudson County** are able  
to take any course at the  
College they are eligible for  
at 50% off the in-county tuition  
rate, which means you take  
a 3-credit course **for only  
\$223.50!**

***Choose among our fully online  
courses, remote courses that  
you can take live after school or  
during the weekend or our safe  
in-person courses.***

Take a look at the class schedule at  
[www.hccc.edu/schedule](http://www.hccc.edu/schedule) to see if  
there are any courses that interest  
you and scan the QR code or  
contact [earlycollege@hccc.edu](mailto:earlycollege@hccc.edu) to  
discuss getting started today!





# THANK YOU SPONSORS!

## GOLD



## SILVER



## PATRON



## FRIENDS





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you

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