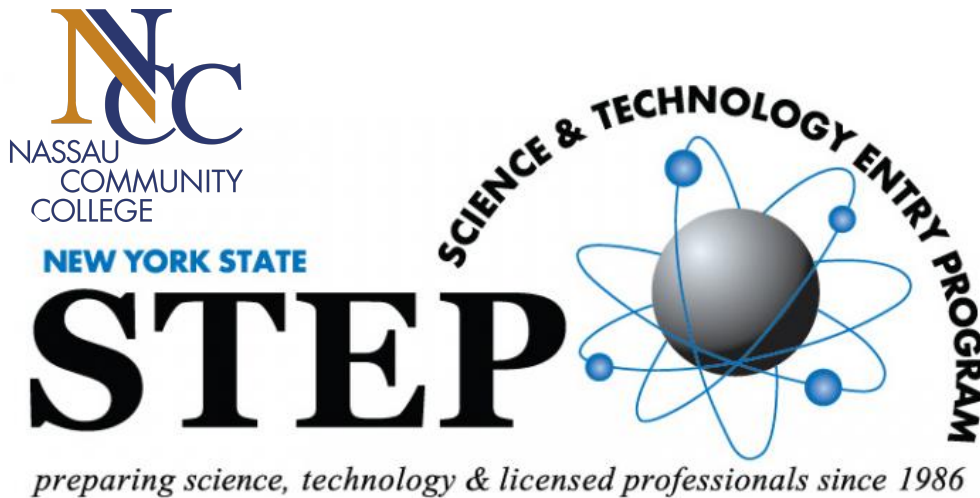


# NCC STEP NEWSLETTER

A source for NCC STEP news, updates and much more!

1st Edition



Nassau Community College STEP, housed within the Center for Excellence and Innovation (CEI), welcomes the exciting opportunity to work with the community and our students in order to expose them to the multiple possibilities in the STEM careers (Science, Technology, Engineering & Math). Have you ever thought about working for NASA, building space crafts, designing astronaut space suits, or perhaps creating Mars friendly meals? Yes, there are careers that exist in all of those specific jobs! Or perhaps our students are interested in the medical field, STEP will help them explore the many different types of careers that best suit their interests and timelines. NCC STEP is currently in Westbury, Sewanhaka, Uniondale and Freeport High Schools as well as Roosevelt Middle School. The NCC STEP newsletter will be an inside look on all the activities our amazing STEP teachers are facilitating in their classrooms with our STEP students. Learn about all of the workshops, experiments, upcoming trips and summer programming that we are excited to offer to our STEP students. We will also keep you posted on the latest science careers and how our students can start taking steps towards their exciting futures!

1

## SCIENCE BOOKS

Interested in engineering? Check out the book, 'Engineering for Teens' by Dr. Pamela McCauley today!

2

## TRIPS

Did you know that Liberty Science Center now lets students sit in on live surgical procedures?

3

## INSTAGRAM

Follow us on Instagram today  
@STEPatNCC!

## NCC STEP

IS STAYING  
IN TOUCH WITH ALL  
OF THE SCIENCES!

We are now  
collaborating with our  
schools to find  
innovative ways to  
connect with our  
students!



Zoom meetings,  
workshops, &  
newsletters!!

We are just a click away!  
GET IN TOUCH WITH THE  
STEP TEAM TODAY!

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516-572-3573  
STEP@NCC.EDU

# education & field trips



## CHECK OUT THE STEP TRIP WITH UNIONDALE HIGH SCHOOL!

As mentioned previously, the Liberty Science Center is now offering trips in which students can sit in on live surgical procedures to experience a day in the life of a surgeon! How exciting to witness a live surgery! This is a great opportunity for students who have a passion for the medical field. Our Uniondale STEP students have an interest in medical careers and could not wait to share this experience with one another. On March 11th, 2022, STEP students from Uniondale High School accompanied by their teacher Ms. Yankson and Jan Figueira, the NCC STEP director, had the wonderful opportunity to sit in on a live “cardiac classroom” to learn more about cardiac surgery and watch live as a surgeon talks viewers through the surgical procedures. Students walked away with a real appreciation for the work of a surgeon and feel more inspired than ever to pursue their own medical field dreams!



# STEP INTO SCIENCE!

**DRONES, CODING, ELECTRICITY AND MUCH MORE!**

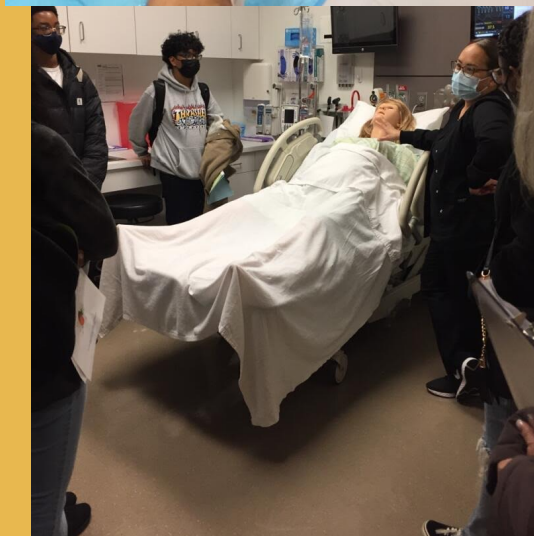
## Roosevelt Middle School



Roosevelt Middle School is unstoppable! With the guidance of the Roosevelt STEP teachers, Ms. Mitra Ramdas, Mr. Craig Lewner and Mr. Frank Rusinovich students are immersed in their science and technology learning! Recently, STEP students have not only been learning how to fly drones but they are actually working on coding to fly their drones. Through codes they create, they can instruct the drones on how and when to take flight. Students have also been learning about electrical circuits and how to power a home with a mix of electricity and solar panels. Last but not least the Roosevelt team has a pretty impressive team of gamers who one day aspire to be game developers themselves!



# MENTORING IN MEDICINE



**STEP students were invited by Adelphi University, in partnership with Mentoring in Medicine, Inc., to participate in a day of medical science and exploration. Students learned how they can enter into a health or science career while helping to increase the diversity in biomedical careers, a field that has historically been underrepresented by African Americans, Latinos, American Indians and Native Alaskans, along with people from underserved communities. On March 19th, 2022, NCC STEP students were offered access to human patient and pediatric simulators, CPR classes, live dissections and much more. At the end of their day of Mentoring in Medicine students received a “Community Health Ambassador Program” certificate and a new take on the endless possibilities of joining the medical field of careers!**



## **SEWANHAKA STEP STUDENTS MEET NASA'S GINGER KERRICK!**

Sewanhaka STEP students and their teacher Mr. Botka, met the extremely talented and down to earth Ms. Ginger Kerrick who is best known for being NASA's first Hispanic Female Flight Director. Her career is also highlighted for being the first non-astronaut Capsule Communicator (Capcom) and the first Russian-training-integration instructor. At the Cradle of Aviation, she shared with students her moving and personal narrative of growing up in Texas from modest means, losing her father at age 11 and yet never forgetting to work hard on her dreams. When asked who is her biggest inspiration and mentor, she shares proudly that it has always been her mother. Students asked questions and had the opportunity to pose for a snap with this amazing woman of science!

# Check Out These Upcoming Opportunities!

## HIGH SCHOOL STUDENTS:

**Get an Early Start to College  
This Summer at  
SUNY Nassau Community College**

**SUNY-Nassau Summer Session:**

**Special Nursing 100-Introduction to Nursing**

This course is designated for current high school students only

**July 5<sup>th</sup>-8<sup>th</sup> | 9:30am-12:45pm**  
**or August 8<sup>th</sup>-11<sup>th</sup> | 9:30am-12:45pm**

*This class will be taught face-to-face on the NCC Campus.*

SUNY-Nassau provides a unique opportunity for high school students to get started early on their collegiate academic journey. Students can enroll in an introductory exploratory nursing course at NCC.



**FOLLOW US ON  
INSTAGRAM**

Follow us @ STEPatNCC for all the latest updates and upcoming workshops and events.



WiSE presents  
**CODING CAMP  
FOR GIRLS  
2022**

4 Lessons, 2 Weekends  
April 23rd-24th & April 30th-May 1st  
9:30 AM - 12:30 PM

This 4-session Coding Camp for Girls is designed for high school female science enthusiasts (grades 8-12) who are interested in computer programming. This camp is for beginners, so no prior experience required! Come learn the basics about one of the fastest growing STEM fields!

**Space is limited, so apply today!**

Registration: <https://forms.gle/yY9LjD3Mh1WDW8uTA>

What you'll need: A computer, a Zoom account, and a gmail  
Questions? Contact: Sessen Daniel Iohannes or Jessica Kahng  
(Co-Chairs of Outreach, CSHL WiSE), [cshlwise@gmail.com](mailto:cshlwise@gmail.com)



SUNY Old Westbury STEP and CSTEP Programs

# MINI RESEARCH SYMPOSIUM

Engaging minds, empowering success.



**Saturday, May 7th, 2022**

SUNY Old Westbury  
Natural Sciences Building

9:30 am - 12:30pm

*Check-in at 9:30am*

**Keynote Speaker:**  
**Ciara Bagnall-Moreau, PhD**, SUNY Old Westbury Class of '08  
Postdoctoral research scientist, Department of Autoimmune, Hematopoietic and Musculoskeletal Diseases at The Feinstein Institutes for Medical Research

Co-sponsored by the Long Island STEP/CSTEP Consortium

