NEW YORK STATE STEP SCIENCE & TECHNOLOGY ENTRY PROGRAM

preparing science, technology & licensed professionals since 1986

Summer 2026 Application

Dear STEP Applicant and Parent,

We are delighted that you are inquiring about Science and Technology Entry Program (STEP) at New York City College of Technology for Summer 2026.

All Summer 2026 classes will be held **IN-PERSON ONLY.** **ALL Classes are FREE!**

Benefits of STEP Summer Scholarship Program

- **Students who successfully complete the SUMMER 2026 program may be eligible to receive a scholarship up to $400 (must take 2 classes) OR $200 (1 class only)**
- **FREE OMNY Card (2 months/July and August)**
- **FREE textbooks and school supplies**
- **FREE STEM & academic workshops**
- **Prepares students for success in junior and high school and college readiness**
- **Tuition FREE DNA Bio workshop upon request, Facilitated by Cold Spring Harbor Laboratory**
- **Snacks/refreshments will be provided during the break (cannot leave the college for the break)**

IMPORTANT NOTIFICATION:

1. We will continue to use Google Classroom for all in-person classes. ALL class assignments, reviews, class resources, quizzes & assessments and final grades will be posted in **Google Classroom.**
2. Completed applications with copy of current school transcript and/or report card submitted on or before the deadline (6/30) will be considered on a first come, first served basis; late applications will be processed in accordance to space availability. **Incomplete applications will automatically be placed on our pending list.**
3. **ALL APPLICATION FORMS MUST BE SUBMITTED VIA EMAIL! to** MHernandez@citytech.cuny.edu
(NO mail and NO Fax will be accepted)
4. **ALL CONSENT FORMS WILL REQUIRED ELECTRONIC SIGNATURES OR HANDWRITTEN SIGNATURES.**
5. **Once admission decisions are made you will be notified by EMAIL.** Please make sure that the emails provided are active and that they are email addresses you check daily. Parents should include their email on the application if they want to receive ongoing information from STEP.
5. **Please be advised that STEP program classes are NON-credit classes.**
6. Student & Parent Zoom Orientation: Thursday, July 2, 2026 (from 6:00pm- 7:30pm)

Alana Kim/ Director of STEP Program

NEW YORK CITY COLLEGE OF TECHNOLOGY CITY TECH

NEW YORK CITY
COLLEGE OF TECHNOLOGY
THE CITY UNIVERSITY OF NEW YORK
300 JAY STREET, BROOKLYN, NY 11201-2983

OFFICE OF COLLABORATIVE PROGRAMS
300 JAY STREET, M-309
BROOKLYN, NY 11201

Semester: SUMMER 2026

STEP Program Eligibility

Based on New York State Education Department (NYSED) mandated criteria, eligible applicants will:

- **Be a middle or high school student entering grades 7-12**
- **Be a resident of New York State for at least 12 months (2 semesters)**
- **Economically disadvantaged—students must meet the income eligibility criteria below**

*A student is considered economically disadvantaged if the:

- Student's household income is less than or equal to the income levels indicated below.

New York State Opportunity Programs
Income Eligibility Criteria
2026–2027

Persons in Family/Household Number	2026–2027 income under
1	**$28,953**
2	**$39,128**
3	**$49,303**
4	**$59,478**
5	**$69,653**
6	**$79,828**
7	**$90,003**
8	**$100,178**
For 2026-27, add $10,508 for each additional family member in excess of 8.	

- **For economic criteria, please provide 2024 or 2025 1040 income tax forms** (first & Second page **ONLY, make sure to cover any visible social security numbers (SSN). We do not need SSNs**.
- Show verification the student is **eligible for free or reduced lunch** at his or her school based upon family income (**must be verified by the school**).
- Show proof student's family is the recipient of family assistance program aid or safety net assistance through the New York State Office of Temporary and Disability Assistance or a county department of social services

The eligibility standards set forth apply only at the time of admission as a first-time student to a STEP program. Once admitted, a student may continue to receive supportive services as needed, even if the family income rises above the current eligibility standards.

The grant award requires that New York City College of Technology abide by New York State Education Departments' eligibility criteria. Please visit their website at: Science and Technology Entry Program (STEP) | New York State Education Department (nysed.gov)

NEW YORK CITY
COLLEGE OF TECHNOLOGY
THE CITY UNIVERSITY OF NEW YORK
300 JAY STREET, BROOKLYN, NY 11201-2983

OFFICE OF COLLABORATIVE PROGRAMS
300 JAY STREET, M-309
BROOKLYN, NY 11201

Semester: SUMMER 2026

Middle School Workshop Classes- 4 Weeks IN PERSON:

Incoming GRADES 7th- 8th

Dates: July 6, 2026- July 30, 2026 (Monday through Thursday)

The application must be submitted by 06/30/2026

Time:	Class- All classes are IN-PERSON
9:30am-11:00am- Class 1 (AM) **11:00am- 11:10am- BREAK** **11:10am- 12:40pm- Class 2 (PM)** ***Select ONE (1) to TWO (2) classes. If TWO (2) classes are selected, make sure it is one AM and one PM.**	☐ Algebra I (AM) ☐ Biology Life on Earth (AM) ☐ Video Game Design- **Level 1** (AM) --- ☐ Fashion & Fabric (PM) ☐ Introduction to Arduino Automation (PM) (ends at 1:45pm) ☐ Introduction to Virtual Reality (VR) (PM) (ends at 1:00pm)

***email completed applications and report card/ or transcript to:**
Mr. Marvin Hernandez, MHernandez@citytech.cuny.edu

NEW YORK CITY
COLLEGE OF TECHNOLOGY
THE CITY UNIVERSITY OF NEW YORK
300 JAY STREET, BROOKLYN, NY 11201-2983

OFFICE OF COLLABORATIVE PROGRAMS
300 JAY STREET, M-309
BROOKLYN, NY 11201

Semester: SUMMER 2026

High School Workshop Classes- 4 Weeks IN PERSON:

Incoming GRADES 9th- 12th

Dates: July 6, 2026- July 30, 2026 (Monday through Thursday)

The application must be submitted by 06/30/2026

Time:	Class- All classes are IN-PERSON
9:30am-11:00am- Class 1 (AM) **11:00am- 11:10am- BREAK** **11:10am- 12:40pm- Class 2 (PM)** ***Select ONE (1) to TWO (2) classes. If TWO (2) classes are selected, make sure it is one AM and one PM.**	☐ Algebra I (AM) ☐ Biology Life on Earth (**9th Grade ONLY**) (AM) ☐ Fashion & Fabric (**10th- 12th Grade ONLY**) (AM) ☐ Geometry (AM) ☐ Introduction to the Medical Field and Public Health (AM) ☐ Video Game Design- **Level 1** (AM) --- ☐ ELA Arts Books, Brains & Big Ideas (PM) ☐ Algebra II (PM) ☐ Fashion & Fabric (**9th Grade ONLY**) (PM) ☐ Introduction to Arduino Automation (PM) (ends at 1:45pm) ☐ Introduction to Virtual Reality (VR) (PM) (ends at 1:00pm)

Time:	IN PERSON Headaches & Arts, Facilitated by the Department of Neurology at NYU Langone Medical Center (Incoming 9th- 12th) (AM)
From: **9:30am- 11:00am (AM)**	☐ **Workshop Dates: July 6, 2026- July 17, 2026 *2 weeks ONLY (Monday through Thursday)** *IN-PERSON

NEW YORK CITY
COLLEGE OF TECHNOLOGY
THE CITY UNIVERSITY OF NEW YORK
300 JAY STREET, BROOKLYN, NY 11201-2983

OFFICE OF COLLABORATIVE PROGRAMS
300 JAY STREET, M-309
BROOKLYN, NY 11201

Semester: SUMMER 2026

STUDENT INFORMATION

LAST NAME _____ FIRST NAME _____ M. I. ____

STREET ADDRESS _____ APT NO. _____

CITY/BOROUGH_____ STATE _____ ZIP CODE _____

HOME PHONE (____) _____ _____ CELL PHONE (____) _____ _____

STUDENT E-MAIL ADDRESS (PLEASE PRINT CLEARLY): GMAIL ONLY

_____ **DATE OF BIRTH** _____/_____/_____

ETHNICITY (**HIGHLIGHT YELLOW**): AFRICAN AMERICAN LATINO/HISPANIC NATIVE AMERICAN ASIAN WHITE ALASKAN WHITE (NON-HISPANIC)

GENDER (**HIGHLIGHT YELLOW**): MALE FEMALE

ELIGIBLE FOR FREE/REDUCED LUNCH? (**HIGHLIGHT YELLOW**): YES NO

ENTERANCE TO THE **STEP PROGRAM** (**MONTH/YEAR**): _____

OSIS #: _____ **Grade in Fall 2026 (7-12):** _____

School Name: _____

Guidance Counselor Name: _____

Guidance Counselor Phone Number: _____

Guidance Counselor Email Address: _____

MEDICAL INFORMATION: If you have any medical condition such as allergies and/or asthma, please state below:

PARENT INFORMATION

LAST NAME _____ FIRST NAME _____ M. I. ____

RELATIONSHIP TO STUDENT: _____

HOME PHONE (____) _____ _____ CELL PHONE (____) _____ _____

PARENT E-MAIL ADDRESS (PLEASE PRINT CLEARLY):_____

IN CASE OF EMERGENCY, PLEASE CONTACT (OTHER THAN PARENT): _____

PHONE (_____) _____ RELATIONSHIP TO STUDENT: _____

NEW YORK CITY
COLLEGE OF TECHNOLOGY
THE CITY UNIVERSITY OF NEW YORK
300 JAY STREET, BROOKLYN, NY 11201-2983

OFFICE OF COLLABORATIVE PROGRAMS
300 JAY STREET, M-309
BROOKLYN, NY 11201

Semester: SUMMER 2026

STUDENT AGREEMENT

I, _____ (full name), agree to participate in Collaborative Programs Science and Technology Entry Program (STEP) at New York City College of Technology. I understand that as a participant I will attend all scheduled events and continue to demonstrate an attitude that reflects a serious commitment to the program. Students who are tardy or absent more than two times, exhibit inappropriate behavior and/or do not adhere to the guidelines of the program will be dismissed.

I understand that my signature on this document constitutes an agreement between me, my parent-guardian, and STEP Program Academy.

SIGNATURE or INITIAL OF STUDENT: _____ DATE: _____

PARENT/GUARDIAN NOTIFICATION AND CONSENT

I am aware that my child, _____, is participating in the Collaborative Programs Science and Technology Entry Program (STEP) at New York City College of Technology, located at 300 Jay Street, Brooklyn, New York. If my child does not show up to scheduled activities, I understand that the student will be removed from the program on the third offense. This form grants permission for local trips within the college.

I hereby give permission for New York City College of Technology Collaborative Programs to release any and all grade reports, transcripts, educational records, and other pertinent information concerning my child to the New York City/State Education Department. I understand that the New York City/State Education Department requires that all STEP Programs collect and keep this information on record. I understand that all information will only be shared with New York State Education Department, partner schools, and colleges. To help increase awareness of the New York City College of Technology STEP Program for other city students, I give permission for New York City College of Technology and The City University of New York (CUNY) to use my child's image or photograph.

_____ _____

PRINTED NAME OF PARENT/GUARDIAN DATE

_____

SIGNATURE or INITIAL OF PARENT/GUARDIAN HOME TELEPHONE

BTG ACADEMIC POLICY NOTIFICATION (Please check the last page)

Student and parent/legal guardians are responsible for knowing and obeying the program rules, as well as local, state and federal laws. Any student who violates program rules will be subject to disciplinary action. The violation will be discussed with New York City College of Technology's Provost and Vice President for Academic Affairs, as well as the Student's school principal and guidance counselor. A decision will be made within two weeks of the occurring incident. Once a decision has been made, the parent/guardian and student will be notified. The student will be suspended from the program until a decision has been made.

_____ _____

SIGNATURE or INITIAL OF STUDENT DATE

_____ _____

SIGNATURE or INITIAL OF PARENT/GUARDIAN HOME TELEPHONE

COLLEGE STEP PROGRAM INFORMATION FOR 11TH & 12TH GRADE ONLY

I give permission for Collaborative Precollege Programs funded by NYSED STEP Program to share information with a designated College on behalf of the New York State Education Department to provide student information to all of the colleges and universities in the State of New York that administer a Collegiate Science and Technology Entry Program (CSTEP) Project. (Note: students will receive CSTEP and admissions/financial aid information from the institutions, if this section is completed.)

X_____ _____

SIGNATURE or INITIAL OF PARENT DATE

NEW YORK CITY
COLLEGE OF TECHNOLOGY
THE CITY UNIVERSITY OF NEW YORK
300 JAY STREET, BROOKLYN, NY 11201-2983

OFFICE OF COLLABORATIVE PROGRAMS
300 JAY STREET, M-309
BROOKLYN, NY 11201

Class Descriptions:

Algebra I: The Algebra I class will review the fundamentals of mathematics. The fundamentals include the basic operations of arithmetic on whole numbers, fractions and decimals. These operations will be used in dealing with ratio, proportions, percent, simple geometry and algebra. As students demonstrate understanding of these basic concepts, they will progress into higher-level topics such as the use of variables; properties of numbers and of equality; solving equations and inequalities; problem solving. The Math Advantage Prep course will follow the Common Core State Standards, as well as the mathematical practices which are designed for students to achieve success in the major topics that Pre-Algebra covers.

Algebra II: This course offers a dynamic exploration of advanced algebraic concepts, bridging the gap between foundational equations and complex functions. Students will journey from solving linear and non-linear systems—utilizing elimination, inequalities, and optimization strategies—to mastering the behavior, translation, and composition of various function families, including quadratic, square root, absolute value, and inverse functions. The curriculum places a strong emphasis on quadratic theory, guiding learners through multiple graphing forms, advanced factoring techniques, completing the square (applied to both quadratics and circles), and navigating complex numbers via the quadratic formula and discriminant. By blending multiple analytical strategies with deep graphical interpretation, this course equips students with the critical problem-solving skills and mathematical fluency essential for success in higher-level STEM coursework.

Biology Life on Earth: The focus of this course is to introduce students to the fundamental principles of Biology. Students will discover through the inquiry-based approach of learning. Concepts discussed will consist of Function and Structure of Cells, Genetics, Hereditary Traits, Human Reproduction, Evolution, Homeostasis, and Ecological Relationships. Students will explore through the investigative process, writing from a variety of sources, participate in class discussions, develop informed critical Biology expressed through active listening, speaking, reading, writing, and hands-on Lab Experiments. At the culmination of this course, students will have a foundational understanding of the Biological process, and the skills necessary to analyze and interpret scientific information.

ELA Arts Books, Brains & Big Ideas: The focus of this course is to equip students with the knowledge that will help them become more successful readers, writers, and communicators in the English Language. Through close reading and analysis of texts such as poetry, a novel, and short stories, students will explore themes such as justice, identity, and life experiences; students will examine literary elements such as theme, tone, symbolism and rhetorical strategies. As a class we will explore the various writing instructional strategies such as Argumentative and Analytical essays. Students will participate in discussions and develop informed critical language arts skills expressed through active listening, speaking, reading, and writing.

Fashion & Fabric: The "Fashion & Fabric: A Hands-On Exploration of Textiles and AI" workshop is a 4-week summer program for middle and high school students, blending traditional textile artistry with modern AI technology. Students begin with a common introduction to fashion history, textile basics, and ethical generative AI applications in design. The course splits into two tracks: middle schoolers explore natural dyeing and physical project art, while high schoolers focus on ink block printing and advanced digital pattern creation. Both tracks culminate in a capstone project where students utilize their new skills, including prompt writing and digital design, which they showcase on the final two days.

Geometry: This Fundamentals of Geometry course offers hands-on, logic-based exploration of the mathematical principals that govern shapes, space, and reasoning. Designed for high school students of all levels, the curriculum begins with the literal "construction" of mathematics using physical tools to create line segments, angles, and bisectors. As students move from drawing to proving, they will investigate the essential properties of parallel lines and transversals, utilizing formal proofs to establish geometric truths. The course then transitions into an in-depth study of triangles, covering everything from interior angle sums and inequality theorems to the unique properties of medians, centroids and orthocenters. To conclude the term, students will master Right Triangle Trigonometry, learning to solve for missing dimensions using sine, cosine, and tangent ratios. The course culminates in a Trigonometry Applications Project, where students apply their geometric toolkit to solve complex, real-world spatial problems.

Headache & Arts Workshop, Facilitated by the Department of Neurology at NYU Langone Health: This course is a Brain-Arts Program called "Headache and Arts", this special STEP workshop will be conducted in collaboration with the Department of Neurology at NYU Langone Health. This workshop gives students an opportunity to learn about neuroanatomy, vision, perception, migraine and concussion symptoms, and some hands-on art practice. The goal of the workshop is to increase public awareness of migraine and concussions, and empower students to share what they've learned with their families and communities.

Introduction to Arduino Automation: This hands-on STEM workshop introduces students to Arduino programming, robotics, electronics, and automation using the OSOYOO IoT Smart Robot Car platform. Students will learn how sensors, motors, wireless communication, and automated systems work by building and programming a smart robotic vehicle. Through guided projects and interactive challenges, participants will explore coding fundamentals, electronics, obstacle detection, autonomous movement, and Wi-Fi/Bluetooth control. Students will develop problem-solving, teamwork, and engineering skills while gaining practical experience with modern robotics technology.

Introduction of Medical Field and Public Health: The "Intro of Healthcare and Public Health" course provides high school students with a comprehensive and engaging introduction to essential healthcare and public health concepts. Students will explore basic human anatomy and physiology, learning about major body systems, their interactions, and the functions of vital organs. The course covers the roles and responsibilities of various healthcare professionals and facilities, offering insights into preventive care, medical treatments, and personal health management. Emphasis is placed on promoting healthy lifestyle choices, mental health awareness, and disease prevention. Students will gain a foundational understanding of public health fundamentals, including disease spread, public health initiatives, and global health challenges. The course also examines healthcare systems, comparing different models and discussing issues of access and disparities, as well as the role of technology in healthcare and future trends. Hands-on learning experiences, such as first aid and CPR training, equip students with practical skills.

Introduction to Virtual Reality (VR): This immersive class introduces kids to virtual reality in a fun and safe way. Students will explore VR environments, learn how VR works, and even create simple interactive experiences. Designed to spark curiosity and creativity, the course encourages problem-solving and digital literacy through age-appropriate tools.

Video Game Design- Level 1: It provides students with the opportunity to design, program, and create fully functional video games. The course will introduce basic programming and design skills that are essential to developing a video game. Topics covered are math, physics, level design, and computer programming. This course will instruct students on how to use problem solving in real world situations. Students will also learn the basics of programming structure and the software development life cycle.

NEW YORK CITY
COLLEGE OF TECHNOLOGY
THE CITY UNIVERSITY OF NEW YORK
300 JAY STREET, BROOKLYN, NY 11201-2983

OFFICE OF COLLABORATIVE PROGRAMS
300 JAY STREET, M-309
BROOKLYN, NY 11201

Semester: SUMMER 2026

RESPONSIBILITIES AND PROGRAM REGULATIONS

1. Students **must** report to all scheduled classes on time and remain in class until dismissal.
2. **Loitering** in hallways and staircases is strictly prohibited.
3. Students **must** present written permission in order to leave campus early or, a parent/guardian may contact the office to grant early leave permission.
4. **Absences** from class **must** be documented, such as; doctor's note, attending a college fair or to attend a school related activity.
5. Student, Parent or Guardian **must** formerly notify the Bridging the Gap/STEP Office of either their withdrawal or intent to withdraw from the program in the form of a letter or email.
6. **Important: Tardiness & Absence rule:** One (1) unexcused absence and One (1) excused absence allowed. Two (2) unexcused lateness will be treated as one (1) absence.
7. **Important Cellphone Policy:** Cell phones and/or other portable, electronic (and non-electronic) games, toys, devices and equipment **must be turned off before entering class and remain off until class is dismissed**. Penalty for violation of this rule is expulsion.
8. **Important: Computer/Biology Labs Policy:** Food and drinks in the computer lab is strictly prohibited at all times.
9. **Fire Alarms, Sensors Policy:** Tampering with fire safety equipment, fire alarms or sensors presents a serious danger to all, is illegal (criminal prosecution may result) and expulsion from the program is guaranteed.
10. **Misconduct**: Any student found to have engaged in inappropriate sexual (physical, verbal, image or images) behavior, as determined by the Program Director and Coordinator, are subject to removal from the campus by campus security or NYC Police and will be expelled.
11. Classrooms **must** be cleared after lunch. Make sure to clean up after yourself.
12. Inappropriate language (cursing) is strictly prohibited.
13. It is advised that students **not** bring valuables or large amounts of cash to the campus.
14. Students should dress in a modest fashion.
    - **Male Students** are expected to remove all headwear: hats, headbands, bandannas, doo-rags and similar head gear entering the campus. Wearing of these items are strictly prohibited inside of the classroom.
    - **Female Students** are expected to wear appropriate attire. Revealing or excessively tight clothing, including halter-tops and miniskirts higher than six inches above the knee are prohibited.
15. **Important Drug Policy:** Student are hereby warned: any type of illegal drug or drugs (marijuana, alcohol, pills, etc.) are strictly prohibited. If a student is found to possess, exchange, purchase or otherwise violate this policy, they will be escorted off the campus by campus security or NYC Police. Expulsion is guaranteed and criminal prosecution may result.
16. **Disruptive Behavior:** verbal arguing, making threats, or any violence is strictly prohibited. Acts of coercion, instigation and/or bearing false witness (lying) is also strictly prohibited. Violation of this rule will result in immediate expulsion. Our official response to any violence is to contact campus security and/or NYC Police. Arrest and criminal charges may result.
17. Students and staff are not permitted to administer prescribed or over-the-counter medication to one another.

18. **Plagiarism**, which includes presenting someone else words or ideas, as if they are your own, without crediting the writer or the source; this also includes copying and pasting from the internet. **Accordingly, academic dishonesty is prohibited in The City University of New York and at NYC College of Technology and is punishable by penalties, including failing grades, suspension and expulsion.**

19. If the student is to **RE-APPLY** to another semester, the student **MUST** submit a new application and submit an updated report card/or school transcript.

20. Failure to adhere to the program's or CUNY policies, rules and regulations can result in removal, expulsion and other penalties as the infraction merits.

The Office of Collaborative Precollege Programs staff reserves the right to add additional rules and regulations for any other inappropriate behavior that is deemed unacceptable for this program.