

Stuyvesant Student Opportunity Bulletin #23S

February 26, 2021

Please note that in this “**Short**” version of the Student Opportunity Bulletin, only the *New* and *Deadline Approaching* opportunities in each category are included.

For the list of **all** the opportunities in each category, you may click & open the “**Long**” version of the Student Opportunity document you received

CATEGORY TABLE OF CONTENTS:

(**Download this entire PDF document** in order to use the following links to jump to your area(s) of interest)

1. [EVENTS OF INTEREST TO STUDENTS](#)
2. [ACADEMIC PROGRAMS](#)
3. [BUSINESS & JOBS](#)
4. [COMMUNITY SERVICE](#)
5. [LEADERSHIP, GOVERNMENT, LAW, ADVOCACY,
INTERNATIONAL](#)

6. MUSEUMS & ART

7. PARKS, ZOOS, & NATURE

8. STEM OPPORTUNITIES

a. ENGINEERING / MATH / COMPUTER SCIENCE

b. MEDICAL / LIFE SCIENCES

9. THEATER, WRITING, MUSIC, PERFORMING ARTS, VIDEO

10. OPPORTUNITY LISTS AND RESOURCES

11. SCHOLARSHIPS

This week's edition includes several excellent & interesting new opportunities – **some have very imminent deadlines – as early as March 1 - so please explore them ASAP.**

-In the EVENTS section, there are several upcoming online Information Fairs for Pre-College Academic programs offered in various college/university settings – the first is **Saturday, 2/27.**

-In the Government section, there is a new summer legal internship for 10th-12th graders with the **Manhattan District Attorney's office**.

-There are several new STEM section opportunities, such as the **MIT Beaver Works Lincoln Lab's spring term computer science & technology courses** programs for current freshmen & sophomores, and **NYU's free summer Comp. Sci /Technology classes** for 9th, 10th, and 11th graders.

-In the Medical/Life Sciences section, all students 16 and older (by summer) who live in Manhattan or Staten Island can register for the **SHIP summer health-care learning program**.

-And in the Writing section, all students may enter the upcoming "live" **March 6 Chinese-American Citizens' Alliance Essay Writing contest** – with a \$1,000 top prize! There are also several other writing programs with upcoming deadlines.

Many programs have quickly-approaching **March application deadlines**. Please start exploring your options and begin applying to whichever fit your interests & talents – the students who end up with the best options are usually those who focus in January & February – **please do not procrastinate!!** All students and parents are always welcome to contact Harvey Blumm at hblumm@stuy.edu for advice & assistance.

For ease of use, these newsletters are organized by different categories, such as Academic Programs, Business & Jobs, Community Service, and so on.

New items always will be listed first in every category, followed by those with approaching deadlines (*Deadline Approaching*).

Questions, suggestions, and information about other opportunities are always welcome and appreciated, and may be sent to Internship Coordinator Harvey Blumm at: hblumm@stuy.edu - we will share your helpful information with the Stuy community!

Events:

***New:* Summer Pre-College Academic Programs Information Fairs**

All students are invited to attend these online events, at which they can view & interact with representatives from many leading summer academic programs held at various universities.

Eligible: All students

Dates: Saturday, **February 27** (noon), **March 11, March 23**

Location: Virtual

Application Deadline: ASAP

Cost: Free

Links https://www.summerstudyinusa.org/wp-content/uploads/2020/12/PCPD_Fair_Flyer.pdf
https://app.brazenconnect.com/a/Precollege_Program_Directors/e/Wgp59

New:

Columbia Society of Women Engineers' Engineering Exploration Experience

“Columbia University’s Society of Womxn Engineers (CU SWE) will be hosting its 10th annual virtual Engineering Exploration Experience (EEE) and invites womxn-identifying students in grades 9-12 to our event! EEE will allow you to explore the exciting opportunities and fields available in engineering. You will get to interact with womxn-identifying professors at Columbia and industry leaders through TED talks that cover their experiences in different engineering fields and participate in an engineering design challenge mentored by Columbia students.

This year, the theme of EEE is “Facing COVID-19 with Diversity” and will be entirely virtual! Activities and discussions at EEE this year will be centered around advancements in COVID-19 response led by engineers!”

Eligible: All womxn-identifying students

Date: **Saturday, March 20** (9:00am – 2:30pm)

Location: Virtual

Application Deadline: **March 13**

Cost: Free

Links: <https://www.eventbrite.com/e/swes-engineering-exploration-experience-2021-tickets-137965631919>

<https://www.eventbrite.com/e/swes-engineering-exploration-experience-2021-tickets-137965631919>

[RETURN TO TOP](#)

Academic Programs:

Deadline Approaching:

Free Summer Automotive, Fashion, & Sneaker Design Programs: The College for Creative Studies in Detroit, Michigan offers design competitions in these areas. Winners can take a free summer college-level design course at the college – Virtual or in-person location pending.

Eligible: 9th to 11th Graders

Location: TBD

Application Deadline: **March 1**

Links:

<https://www.collegeforcreativestudies.edu/admissions/undergraduate-admissions/competitions>

<https://www.collegeforcreativestudies.edu/academics/undergraduate-programs/transportation-design/dunning-automotive-design-competition>

<https://www.collegeforcreativestudies.edu/academics/undergraduate-programs/fashion-accessories-design/fashion-competition>

Deadline Approaching: **College Edge Summer Sessions Program at Columbia**
Columbia University offers a variety of courses in which high school students may study alongside undergraduate students. Students may attend one or both of the sessions dated below. Some courses have specific requirements and prerequisites, so students should look into the course offerings below before registering.

Eligible: All Rising Juniors & Seniors and Graduating Seniors with a cumulative GPA of at least 3.3

Dates: Session I: May 3 – June 18

Session II: June 28 – August 16

Location: Virtual

Application Deadline: **March 1** (Application Fee of \$80 is waived),

April 1 (Session I); **June 1** (Session II)

Cost: \$2,052 per point (courses are typically 1-4 points)

Links: https://precollege.sps.columbia.edu/highschool/college-edge/summer/courses?utm_source=Email&utm_medium=Internal&utm_campaign=PREC_CEDGE_SUMR_DL-06_030421&utm_content=Precollege

https://precollege.sps.columbia.edu/highschool/college-edge/summer/admissions/apply?utm_source=Email&utm_medium=Internal&utm_campaign=PREC_CEDGE_SUMR_DL-06_030421&utm_content=Precollege

<https://precollege.sps.columbia.edu/highschool/college-edge/summer/faq>

<https://precollege.sps.columbia.edu/highschool/college-edge/academic-year/tuition-and-fees>

<https://precollege.sps.columbia.edu/highschool/college-edge/academic-year/tuition-and-fees>

Update: The **Art of Problem Solving Online School** offers a selection of math and computer science courses. The math courses cover different levels of difficulty and there are seminars that specifically target the AMC. Spots are limited and students should register soon.

- New dates beginning in March are now available for the following classes: pre-algebra 1 & 2, introduction to algebra A, introduction to counting and probability, introduction to number theory, intermediate algebra, intermediate counting and probability, precalculus, olympiad geometry, calculus, and introduction to programming with python.

Eligible: All Students

Dates: Various

Location: Virtual

Application Deadline: Rolling Basis

Cost: \$340 - \$759 (including books)

Link:

https://artofproblemsolving.com/school?utm_source=Newsletter&utm_medium=email&utm_content=Challenge+your+student+with+January+math+classes&utm_campaign=AoPS+Update+Email++1%2F13&vgo_ee=1siFIoIGa%2FSof7274gnCiw%3D%3D

[*RETURN TO TOP*](#)

Business & Jobs

New: The NYC **Exploring Program** has now included sessions with **Structure Tone**, a leading construction management company. Student participants will virtually meet on Thursday afternoons for seven weeks with successful professionals to learn more about opportunities & careers in this field.

Eligible: All Students

Dates: March 4 – April 15 (Thursdays (4:30 - 5:30pm))

Location: Virtual

Application Deadline: Rolling Basis

Cost: Free

Links: <https://nyexploring.org/>

[https://scoutingevent.com/Download/64072369/OR/Structure Tone Gensler Spring 2021.pdf](https://scoutingevent.com/Download/64072369/OR/Structure_Tone_Gensler_Spring_2021.pdf)

Deadline Approaching: NYC **Summer Ladders for Leaders Program:** Paid professional summer jobs with businesses, organizations, and government agencies for students **16 and older** who also receive resume, interview, and business etiquette training. For questions, call: 800-246-4646.

Students may select to enter this program through the **PENCIL** non-profit organization, which provides additional resources and support to participants. Check the link below to learn more.

Eligible: Students 16 and older with a minimum 3.0 grade point average.

Dates: Summer

Locations: Various

New Application Deadline: **February 28**

Links: <https://application.nycsyep.com/>

<https://pencil.org/ladders-for-leaders/>

Deadline Approaching: **Seniors: Futures and Options** provides a **paid summer internship** in the field of municipal finance to graduating 12th-graders. This **Urban Leadership Fellows** program also provides mentors from the finance industry.

Eligible: All seniors with a minimum 3.0 GPA

Dates: July 6 - August 13

Location: Various

Final Application Deadline: **March 5**

Link: <https://www.tfaforms.com/4799206>

https://www.futuresandoptions.org/fao/what_we_do/internship_program/urban-leadership-fellows-program/

[RETURN TO TOP](#)

Community Service

***New:* Learning Pals Tutoring & Social Support for Younger Students**

“Because many extra-curricular activities have been canceled or are less time-consuming than they once were, you may have some extra time on your hands. If you are looking for an activity to bolster your resume and help your community, consider becoming a volunteer tutor for the program [Learning Pals](#)! High school students can get **community service hours** for the time they spend tutoring.

Many elementary and middle schoolers have been devastated by online learning and greatly benefit from one-on-one sessions with a tutor. Tutors are needed to help younger students in three categories:

- 1) **Academic help** in subjects like math, English, or any other homework.
- 2) **Technical help** with platforms like Google Classroom, Google Meet, and Zoom.
- 3) **Social Interaction** (practicing English, reading books, playing games) because many students are home without their parents or have parents who need a break.”

Eligible: All students

Dates: Ongoing

Location: Virtual

Application Deadline: Rolling Basis

Links: <https://learningpals.weebly.com/>

https://docs.google.com/forms/d/e/1FAIpQLSe2sjUpYCZN8OiInJPDSMYUA-OhZuoz2eRLEf_wAHpxuwYKbA/viewform

New: The **MinKwon Center** is offering two community service opportunities:

1-The Flushing Community Fridge is looking for volunteers. The mission is to create a community fridge so that people experiencing food insecurity will have

access to food and hygiene products. There are various roles available to students: fridge maintenance, outreach, pick-up/drop-off, fridge check-up, graphic design, and fundraising.

Eligible: All Students

Dates: Various

Location: In-person (Flushing) or virtual

Application Deadline: Rolling Basis

Cost: Free

Link: https://docs.google.com/forms/d/e/1FAIpQLSf-i-JhQDQxR8yWpxrD7nRZ-IC-W4cZOObVOhDMrGZzWsKhV8g/viewform?mc_cid=b2566d9ea2&mc_eid=642f4c3cb5

2- The Vaccine Appointment Volunteer Opportunity aims to assist eligible NYC residents to register for a COVID-19 vaccine appointment in Korean, Chinese, and English. Students who are fluent in these languages and tech are needed.

Eligible: All Students

Dates: Various

Location: In-person (MinKwon Center) or virtual

Application Deadline: Rolling Basis

Cost: Free

Link:

https://docs.google.com/forms/d/1nOahpVqDo0tzojrM1t6sxCBgbZ115Idr5rySWS_nhFc/viewform?mc_cid=8c5e8016dd&mc_eid=642f4c3cb5&edit_requested=true

[RETURN TO TOP](#)

Leadership/College Prep/Government/Law/Cultural/Programs

***New:* Manhattan District Attorney Summer Internship**

“The Manhattan District Attorney’s High School Internship Program is a rigorous internship that provides students with an insider’s view of the criminal justice system. Participants will have the opportunity to engage in workshops and discussions surrounding criminal justice, police brutality, civic engagement, leadership, and more. Each participant will be paired with a staff member within the Office who will provide guidance and support.

Program participants will take part in a series of presentations and conversations with staff and external community partners in order to build a foundational understanding of how policies are developed & implemented; and how academic and career paths can lead you to move justice forward.”

Eligible: Current 10th – 12th grade students (Manhattan residents or students attending Manhattan schools)

Dates: Students may apply to either session: Session 1: **July 6 – July 30**

Session 2: **August 2 – August 27**

Application Deadline: **March 15**

Links: <https://www.manhattanda.org/careers/internship-opportunities/high-school-internship/>

https://lawcruit.micronapps.com/sup/lc_supp_app_frm.aspx?lawfirm=211&id=14

***New:* Columbia University’s Freedom and Citizenship Program**

“This program offers a four-week summer courses in political science & philosophy, followed by a civic leadership project that meets for twice-monthly after-school sessions throughout the 2021-2022 school year. This free program is aimed at low-income and first generation in their family college applicants; participants also receive college admissions support. **This year we are excited to offer a \$1,000 stipend** to students to make the program accessible to those who might otherwise need to find work in July. Students will receive part of the stipend at the end of the summer seminar and the remainder at the end of the academic year. Students must participate in the full program to earn the stipend.”

Eligible: Low income and/or first-generation 11th graders

Dates: June 29 - July 24

Location: Columbia University

Application Deadline: **March 15**

Link: <https://freedomandcitizenship.columbia.edu/>

<https://freedomandcitizenship.columbia.edu/apply>

<https://freedomandcitizenship.columbia.edu/virtual-learning>

***New:* City Council Campaign Volunteer Fellowship Program**

While working on Kim Moscaritolo's Manhattan campaign, students will have the chance to research and draft policies, create and share social media content, plan virtual town halls, and more. Questions may be addressed to: info@votekim.nyc

Eligible: All Students

Dates: Spring & summer, 2021

Location: Virtual

Application Deadline: Rolling Basis

Cost: Free

Links: [https://docs.google.com/document/d/1-](https://docs.google.com/document/d/1-YnGYsdzJT6R7mNakIUfS3vMB5WpldyfFeN6zq3ZwFw/edit?usp=sharing)

[YnGYsdzJT6R7mNakIUfS3vMB5WpldyfFeN6zq3ZwFw/edit?usp=sharing](https://docs.google.com/document/d/1-YnGYsdzJT6R7mNakIUfS3vMB5WpldyfFeN6zq3ZwFw/edit?usp=sharing)

[https://docs.google.com/forms/d/e/1FAIpQLSe7Bmw73UfAGybMRJftZLZ41WtHwGEmA6Lj](https://docs.google.com/forms/d/e/1FAIpQLSe7Bmw73UfAGybMRJftZLZ41WtHwGEmA6LjOY2x6U8YGoWG-Q/viewform?usp=sf_link)

[OY2x6U8YGoWG-Q/viewform?usp=sf_link](https://docs.google.com/forms/d/e/1FAIpQLSe7Bmw73UfAGybMRJftZLZ41WtHwGEmA6LjOY2x6U8YGoWG-Q/viewform?usp=sf_link)

YouthAction Survey - \$5 Giftcard Provided

CCC's YouthAction members are calling on all New Yorkers ages 14 to 24 to complete a citywide survey of young people to make sure that the next Mayor and

City Council understand and prioritize youth voices. **A \$5 gift card will be sent to every student who completes the survey!**

Dates: Ongoing

Application Deadline: **ASAP**

Link:

<https://cccnewyork.org/campaigns/voicing-our-future-a-youth-agenda-for-nyc/>

Deadline Approaching: The **Trip of a Lifetime** program provides free overseas trips and service opportunities to current 9th - 11th graders who qualify for free/reduced lunch. Participants are immersed in the local culture of their selected destination.

Eligible: All students who qualify for Free Lunch Program, Food Stamps, or another federal assistance program, or can demonstrate comparable financial need.

Dates: Summer (Most trips are two - four weeks in July)

Locations: Various in USA & Central America

Cost: Free

Application Deadline: **March 1**

Links: <https://www.projecttoal.org/home>

<https://www.projecttoal.org/apply>

Deadline Approaching: **Virtual Encampment for Youth**

“Our virtual summer immersion program is a true experience in democracy, where young people who would otherwise never meet:

- form a self-governing community;
- learn to think critically about pressing social and political issues that affect their communities and our world as a whole; and

- take action.
- Get a deeper perspective on social justice issues.
- Meet activists and civic leaders.
- Learn more about how your community works and how you can make change where you are.
- Participate in a multicultural community of peers from across the nation who will share their communities with you.
- Use arts to express your perspective on social justice concerns.
- Receive four months of follow-up support to develop an action plan.

Participants will learn and practice the powerful strategies of critical thinking, action planning, and using creativity and the arts in working for social justice.”

Eligible: All students 15-18 years old

Dates: July 5 – July 28 (Mondays-Fridays)

Application Deadline: March 1

Cost: \$50 - \$2,000: Sliding Scale based on family income – financial aid available

Links: <https://encampmentforcitizenship.org/what-we-do/index.php>

<https://encampmentforcitizenship.org/what-we-do/how-to-apply.php>

<https://theencampment.wordpress.com/2021/01/06/2021-virtual-encampment/>

Priority Deadline Approaching: NYU Aspire Online College Prep Program

“Aspire is a two-year program that commences with a week-long intensive summer experience, during which students gain a solid foundation in four key areas that will help them to prepare for college:

- Leadership • College Prep • College Writing • Financial Literacy

It begins with a one-week workshop and continues throughout the 2021 - 2023 school years, with occasional sessions on all aspects of the college admissions process.”

Eligible: Current 10th graders who are the first generation in their families to attend college.

Dates: **August 1 – August 6**, & continues throughout the 2020-2022 school years

Application Deadlines: **March 1** (Priority Deadline); **April 16** (Final Deadline)

Links: <https://www.sps.nyu.edu/high-school-academy/aspire.html>

https://www.sps.nyu.edu/content/dam/nyuhsa/docs/Aspire_Flyer_2021.pdf

<https://www.sps.nyu.edu/high-school-academy/aspire/aspire-overview/program-overview.html>

Deadline Approaching: Princeton University sponsors the **Princeton Prize in Race Relations** for high school students, with \$1,000 awards to students who are working to help their schools or communities in this field. Learn more and apply at:

Eligible: All Students

Application Deadline: **March 1** (Application opens January)

Links: <http://www.princeton.edu/pprize/>

https://princetonprize.smapply.io/prog/princeton_prize_in_race_relations/

Deadline Approaching: **New York State Human Rights Summer Internships**
The Brooklyn office of the New York State Division of Human Rights welcomes student applications for part-time volunteer internships for **summer 2021**.

“Under the supervision of DHR investigators, interns will experience how DHR investigates complaints. Interns will be involved in preparing case files and providing clerical support for the investigation. This experience will encompass assisting individuals to file discrimination complaints, and requesting documents from the parties. Interns will have the added opportunity to observe conferences. To apply, please send your resume, a 5-10-page writing sample, and a cover letter to: Barbara Klar Outreach & Intern Coordinator New York State Division of Human Rights 1 Fordham Plaza, 4th Floor Bronx, NY 10458;

Barbara.Klar@dhr.ny.gov “

Eligible: All juniors & seniors

Dates: Spring term

Location: 55 Hanson Place, Brooklyn

Application Deadline: **March 4**

<https://dhr.ny.gov/internship-opportunities>

Deadline Approaching: **FEMA Virtual Youth Preparedness Council**

“As part of the YPC, members can build leadership skills and represent their schools and communities. They also share their perspectives, feedback, and opinions with FEMA. The YPC gives youth the chance to meet peers from across the country and work on projects, such as preparedness fairs for their communities. A virtual summit in July gives members a chance to meet each other and hear from FEMA experts.”

Eligible: All Freshmen, Sophomores & Juniors

Dates: 2021 – 2023

Location: Virtual

Application Deadline: **March 7**

Cost: Free

Links: <https://www.ready.gov/kids/youth-preparedness-council>
<https://community.fema.gov/PreparednessCommunity/s/apply-to-ypc>

[RETURN TO TOP](#)

Museums, Art, Photography:

Deadline Approaching: Pratt Young Scholars: Current freshmen with an interest in art and design whose family's household income is within the limits defined by the NYS free/reduced lunches family income criteria may apply for this three-year program, which includes summer & academic year art/design programs. College admissions assistance is also provided to participants.

Eligible: Current freshmen within limited family income

Dates: September 2021 – June 2024; Wednesday afternoons & two weeks in July

Location: Pratt Institute, Brooklyn

Application Deadline: **March 2**

Cost: Free

Link:

<https://www.pratt.edu/the-institute/administration-resources/office-of-the-provost/centers-and-academic-partnerships/center-for-art-design-and-community-engagement-k-12/pratt-young-scholars/>

Deadline Extended/Approaching: Doodle for Google is a national student competition to create art on the theme of “I am strong because...”

Substantial scholarships up to \$30,000 are offered as prizes.

Eligible: All students

New Application Deadline: **March 5**

Links: <https://doodles.google.com/d4g/>

<https://doodles.google.com/d4g/enter/>

***Deadline Approaching:* Water Resources Art & Poetry Contest**

The NYC Department of Environmental Protection invites all students to submit artwork (including paintings, photos, digital media) and poetry that creatively express knowledge, appreciation and understanding of NY's shared water resources. Entries can address an original idea that relates to NYC's water resources or one or more of a number of topic questions. Learn more below.

Eligible: All students

Application Deadline: **March 5**

Links:

<https://www1.nyc.gov/site/dep/environment/water-resources-art-poetry-contest.page>

<https://www1.nyc.gov/assets/dep/downloads/pdf/environment/education/art-poetry-contest-flyer.pdf>

[RETURN TO TOP](#)

Parks/Nature:

Bronx Juniors: Project True is a paid summer urban ecology project that allows current 11th-grade students who are Bronx residents to work as field social science

research assistants, exploring NYC wildlife & wild places. Participants receive \$750 stipends and metrocards.

Eligible: Juniors residing in the Bronx

Dates: Late June – August

Location: TBA

Application Deadline: **March 19**

Links: <https://bronxzoo.com/teens/project-true>

<https://bronxzoo.com/teens/project-true/summer-program>

[***RETURN TO TOP***](#)

Stem Opportunities:

Engineering/Math/Computer Science:

New: Deadline Approaching:

MIT Lincoln Lab Beaver Works Spring STEM Classes

“This program will be running 7 different virtual courses for 8 weeks for students who are in the 9th and 10th grade. These students should be interested in learning about robotics, cyber security, assistive technology and programming. The program is completely free! No prior experience is necessary. A student will only be able to attend one of the programs. Students must be able to attend all sessions (all sessions are on Saturdays from 11am-2pm. Some participants may be eligible to take summer Beaver Work STEM courses after completion of this program”

Eligible: All 9th and 10th graders

Dates: **March 6 – April 24** (Saturdays from 11:00am – 2:00pm)

Location: Virtual

Application Deadline: **February 28**

Cost: Free

Links: https://mit-bwsi.formstack.com/forms/bwsi_spring_2021

New:

Columbia Society of Women Engineers' Engineering Exploration Experience

“Columbia University’s Society of Womxn Engineers (CU SWE) will be hosting its 10th annual virtual Engineering Exploration Experience (EEE) and invites womxn-identifying students in grades 9-12 to our event! EEE will allow you to explore the exciting opportunities and fields available in engineering. You will get to interact with womxn-identifying professors at Columbia and industry leaders through TED talks that cover their experiences in different engineering fields and participate in an engineering design challenge mentored by Columbia students.

This year, the theme of EEE is “Facing COVID-19 with Diversity” and will be entirely virtual! Activities and discussions at EEE this year will be centered around advancements in COVID-19 response led by engineers!”

Eligible: All womxn-identifying students

Date: **Saturday, March 20** (9:00am – 2:30pm)

Location: Virtual

Application Deadline: **March 13**

Cost: Free

Links: <https://www.eventbrite.com/e/swes-engineering-exploration-experience-2021-tickets-137965631919>

<https://www.eventbrite.com/e/swes-engineering-exploration-experience-2021-tickets-137965631919>

New: NYU Tandon is offering 2 virtual summer STEM Programs:

1- Computer Science for Cyber Security aims to provide an introduction on the fundamentals of cybersecurity and computer science to students. Students do not need to have background or experience in either field.

Eligible: All Freshmen, Sophomores & Juniors

Dates: July 12 - 30 (Mondays to Fridays 9:00am - 2:00pm)

Location: Virtual

Application Deadline: April 12

Cost: Free

Link: <https://engineering.nyu.edu/academics/programs/k12-stem-education/nyc-based-programs/computer-science-cyber-security-cs4cs>

2- Innovation, Entrepreneurship and the Science of Smart Cities consists of STEM instruction and mentorship. “The program will focus on technology and engineering skills, design and prototyping, built around real world ‘smart city’ applications and research.”

Eligible: All Freshmen & Sophomores

Dates: July 6 – August 6 (Mondays to Fridays 9:00am - 3:00pm)

Location: Virtual

Application Deadline: April 21

Cost: Free

Link: <https://engineering.nyu.edu/academics/programs/k12-stem-education/nyc-based-programs/innovation-entrepreneurship-and-science>

New: AI4ALL Summer Programs: This artificial intelligence program is offered remotely at various colleges throughout the country (including Columbia University). Students will be “immersed in hands-on learning, mentorship by top AI practitioners, and supportive peer networks at top universities.” Specific program eligibility and dates vary.

Eligible: Students from under-represented groups (including females) or those with demonstrated financial need

Dates: Various

Location: Virtual

Application Deadlines: Various

Cost: Free

Link: <https://ai-4-all.org/summer-programs/>

New: Mathily is a rigorous summer program for mathematically talented students. Students will explore various undergraduate and graduate-level mathematics in classes led by a mathematician with a Ph.D. and mathematics students. There will also be discussions about college choices, a session on career possibilities, and more.

Eligible: All Students

Dates: June 24 – July 31 (if online) or June 27 – July 31 (if in-person)

Location: TBA

Application Deadline: **April 27**

Cost: \$2,150 - 4,800 (depending on whether it is online or in-person) – need-based financial aid available

Links: <http://www.mathily.org/>

<http://www.mathily.org/facts.html>

<http://www.mathily.org/app.html>

Event Approaching: Virtual Code Days

“Code Day is a worldwide event where student programmers, artists, musicians, actors, and everyone else can get together and build apps & games for 24 hours. Students of all skill levels are welcome — we have workshops and tech industry mentors who can help if you're new!”

Eligible: All students

Dates: **February 26 - 28**

Application Deadline: Rolling Basis

Cost: Free

Links: <https://virtual.codeday.org/>

<https://www.codeday.org/help/virtual/student>

Event Approaching: Goals for Girls Virtual Information Session:

Current 8th and 9th grade girls are encouraged to attend a 11:00am session about the GOALS for Girls 6-week summer intensive program, which focuses on leadership and STEM (science, technology, engineering and math).

“This informational will go through all aspects of the program to let parents and girls know how to become a GOALS Girl, including the application and interview process, the knowledge and confidence students gain by participating in the program, the topics that are presented and the activities in which the girls take part.”

Interested students should RSVP ASAP!

Eligible: 9th grade girls

Dates: Information Session: **Saturday, February 27:** 11:00am – 12:00pm

Program Dates: **July 6 – August 13**

Location: Online

Application Deadline: Rolling Basis

Links:

<https://docs.google.com/forms/d/e/1FAIpQLSfIEhiMAzY8eeTtpY7A7Jbgrc2HZArOgcSv9pOIj3mZiszxFA/viewform>

Early Registration Deadline Approaching: The **NYC Math Circle** takes place at the Courant Institute at NYU. It offers several different math enrichment classes to high school students. A typical day consists of a class in the morning, followed by lunch, and a problem solving session in the afternoon. **Classes often fill up early – so apply ASAP!**

Eligibility: All students (new students have to take placement exams)

Dates: **July 26 – August 12**

Location: Online

Application Deadline: **March 4 (Early Registration), April 29 (Regular Registration)**

Cost: \$700 - scholarship assistance is available to qualified students.

Link: https://www.nymathcircle.org/summer?mc_cid=5e01cfdb42&mc_eid=a88b7494f5

Update: The **Art of Problem Solving Online School** offers a selection of math and computer science courses. The math courses cover different levels of difficulty and there are seminars that specifically target the AMC. Spots are limited and students should register soon.

- New dates beginning in March are now available for the following classes: pre-algebra 1 & 2, introduction to algebra A, introduction to counting and

probability, introduction to number theory, intermediate algebra, intermediate counting and probability, precalculus, olympiad geometry, calculus, and introduction to programming with python.

Eligible: All Students

Dates: Various

Location: Virtual

Application Deadline: Rolling Basis

Cost: \$340 - \$759 (including books)

Link:

https://artofproblemsolving.com/school?utm_source=Newsletter&utm_medium=email&utm_content=Challenge+your+student+with+January+math+classes&utm_campaign=AoPS+Update+Email+-+1%2F13&vgo_ee=1siFlOlGa%2FSof7274gnCiw%3D%3D

Deadline Approaching: **EngineerGirl Ambassador**

“An EngineerGirl Ambassador designs, develops, and implements a project in her local community that will encourage upper elementary or middle school girls to think about engineering and engineering careers.”

Eligible: All female students

Application Deadline: **March 1**

Link: <https://www.engineergirl.org/128630/become-an-ambassador>

Deadline Approaching:

GEMS (Gains in the Education of Mathematics and Science) Program

Students may apply to this summer STEM enrichment program to serve as ‘Near-Peer Mentors’ to younger students. The nearest location is in Natick, Massachusetts – participants must provide their own housing & expenses. A small stipend will be offered to participants.

Eligible: High School Juniors or Seniors may apply with leadership and hands-on biomedical or coding experience.

Dates: July 12 – August 20 (for Natick site)

Locations: Various

Application Deadline: March 1 (For Natick, Massachusetts site)

Cost: Free but travel and other expenses are not covered

Link: <https://www.usaeop.com/program/gems/>

Deadline Approaching: **ARISE** is a free, seven-week summer **STEM research program** offered by the NYU Tandon School of Engineering in Brooklyn. It is open to current 10th and 11th graders with a strong interest in science or engineering, and includes workshops, mentoring, college advisement, research opportunities, public speaking training, and a stipend.

Eligible: Current sophomores & juniors

Dates: June 28 – August 13

Location: NYU Tandon School of Engineering, Brooklyn

Application Deadline: March 1

Cost: Free

Links: <https://engineering.nyu.edu/arise-applicants-page>

<https://engineering.nyu.edu/research-innovation/k12-stem-education/student-programs/arise>

Deadline Approaching: The Cornell University Engineering **Catalyst Academy** offers a one week engineering program to all current sophomores & juniors, with an emphasis on students from underrepresented/disadvantaged backgrounds. Tuition is \$1,450, but financial aid may be available.

Eligible: All Sophomores & Juniors (3.0 GPA minimum), with a focus on students from under-represented or economically - disadvantaged backgrounds.

Dates: July 18 – July 24

Location: TBA (one week in summer 2021)

Application Deadline: **March 1**

Cost: \$1,450: financial aid may be available

Links: <https://sites.coecis.cornell.edu/catalystacademy/>

<https://sites.coecis.cornell.edu/catalystacademy/academy-overview/>

https://cornell.qualtrics.com/jfe/form/SV_5cg3txNUBTBEtmd

<https://sites.coecis.cornell.edu/catalystacademy/faq/>

Deadline Approaching: **AI Scholars Live Online Summer Program**

This is a program that exposes students to “fundamental AI concepts and guides them to build a socially impactful project.” No prior programming experience is required.”

They are currently accepting applications for the Spring and Summer Semesters.
Learn more and register below:

Eligible: All Students

Dates: Various

Location: Virtual

Application Deadline: **March 1**

Cost: \$900

Links:

https://www.inspiritai.com/liveonline?_hsmi=103752269&_hsenc=p2ANqtz-94WoAkXwu2GGrAjNoE_8tixg20xamnhnYjjxB5FhhOgxeAImUoXNuOLndGd_9LAiw0jfcUbIAcXJ8HrBp_g5OKRBIRRQ&utm_content=103752269

https://docs.google.com/forms/d/e/1FAIpQLSe4kj2-I9Gmu509d3xmV4L5-ix7WO1mFAEBDDfBcMrF1rkuXA/viewform?_hsmi=103752269&_hsenc=p2ANqtz-9s2qYFIFhIWS0NpOPJJzRGEo4UPHw82Tia8seCCJtGF4x5hz9rdbXys9Vb6w6gUFEHt5rq9dmFV34cik0RaNQ5njSM3g

Deadline Approaching: **STEP (Science & Technology Entry Program) at NYU**

“This program consists of morning STEM enrichment classes focused on high school curriculum, afternoon elective classes that incorporate hands-on techniques and interdisciplinary themes, and an English seminar. Students also have access to tutoring and counseling, college prep, career exploration, and research opportunities.”

Eligible: Students from under-represented groups (who identify as African American, Latino, Native American, and Alaskan American), and students who identify as White or Asian-American who meet economic criteria detailed in the link below

Dates: July 6 – August 5 (Monday – Thursday from 9:00am - 3:00pm)

Location: Virtual

Application Deadline: March 5

Cost: \$350 – Fee waiver applications are available

Links: https://nyumc.qualtrics.com/jfe/form/SV_3U8wHaO52LhsvBj

https://www.nyu.edu/admissions/undergraduate-admissions/how-to-apply/all-freshmen-applicants/opportunity-programs/pre-college-programs/STEP_BEST_Eligibility.html

<https://connect.nyu.edu/register/?id=afc7a546-f16b-4a4b-810b-14488c6e11ea>

Deadline Approaching: The **Summer Science Program** is a residential enrichment program where students perform research as a team. There are four campuses hosting programs in either **Astrophysics or in Biochemistry**. Learn more below: Lessons, lab sessions, guest lectures, and field trips to help students develop an understanding of experimental science.

Eligible: All Juniors (and Sophomores who have completed the prerequisites)

Dates: Summer 2021

Location: TBA

Application Deadline: March 5

Cost: \$6,950 (if in-person) or \$3,950 (if online); full and partial need based financial aid is available to eligible students

Links: <https://summerscience.org/>

<https://summerscience.org/the-ssp-experience/what-is-ssp/>

<https://summerscience.org/admissions/is-ssp-for-you/>

<https://summerscience.org/admissions/fee-and-financial-aid/>

Deadline Approaching:

The **Program in Algorithmic and Combinatorial Thinking (PACT)** is a virtual summer program consisting of guest lectures & discussions that introduce students to various topics in theoretical computer science, discrete mathematics and algorithms, computer science, and more.

“The program teaches students about the mathematics and algorithms fundamental to the computer science field. Many summer programs teach high school students programming and application development, but this five-week intensive course is one of very few with a theoretical and proof-based emphasis. The only requirements to participate are high school algebra, the willingness to work hard and be challenged, and, above all, the desire to learn.”

Eligible: All 10th, 11th, and 12th graders

Dates: June 28 – July 30

Application Deadline: **March 5**

Cost: \$1,500 – limited financial support available

Links: <https://applypact.com/apply/4>

<https://algorithmicthinking.org/>

Event Approaching **Girls in Science & Engineering Day**

“This year, Girls in Science and Engineering Day is going virtual! Join us as we welcome science organizations who will help you expand your mind and spark curiosity about the physical world around you. Hear from science professionals,

learn about science projects that your peers are researching and conduct your own science experiments using materials from around your home.” Pre-Registration Requested

Eligible: All students 14-17 years old (Participants under the age of 18 must have their parent sign them up for this program)

Date: **Saturday, March 6** (11:00am – 3:00pm)

Location: Online

Application Deadline: Rolling Basis

Cost: Free

Link:

https://docs.google.com/forms/d/e/1FAIpQLSd0ukd56j22o5S3cVRfZnIo3GEnuY5BLXc8L_v4qu-2iytaQ/viewform

Deadline Approaching: **Science Research Mentoring Program (SRMP) at the American Museum of Natural History:** This full-year Science Research Mentoring Program provides research instruction and scientist mentoring to participants. Students receive a \$1,000 stipend upon completion – it meets during the summer & following school year. **It is open only to students who have taken previous AMNH classes/programs during the 2019-2020 school year.**

In SRMP, high school students get paid to learn how to conduct research. Students work with peers and scientist mentors twice a week throughout the school year for a total of four hours a week on a project that has never been done before.

Eligible: 9th, 10th, and 11th grade students who have taken previous AMNH classes/programs during the 2019-2020 school year. Preference is given to current sophomores & juniors.

Dates: 3 Weeks in late August in the Summer Institute and two afternoons each week in the 2020 – 2021 school year

Location: TBA

Application Deadline: **March 7**

Links: <https://www.amnh.org/learn-teach/teens/science-research-mentoring-program>

https://amnh.qualtrics.com/jfe/form/SV_ahic18MIzSIqQxT

***Deadline Extended:* Summer Research Program**

The **Garcia Center at Suny Stonybrook** offers a high-level seven-week summer research/instruction science program to interested students. This selective program focuses on polymer science & technology.

Eligible: Students 16 or older (by July 4) with a 95+ GPA

Dates: June 28 – August 13

Location: SUNY Stonybrook

New Application Deadline: **March 15**

Cost: \$2,500

Links: https://www.stonybrook.edu/commcms/garcia/summer_program/apply

https://www.stonybrook.edu/commcms/garcia/summer_program/about.php

Medical/Life Sciences

New: The **Manhattan/Staten Island Summer Health Internship Program (SHIP)** invites students with an interest in the health professions to apply for a summer health internship program that allows students to interact with medical professionals. The medical sites for this six-week program are in Manhattan and Staten Island.

Eligible: Manhattan & Staten Island resident sophomores, juniors & seniors (age 16 and older by start of program)

Dates: Summer

Locations: Various

Deadline: **March 26**

Links: <https://msiahec.org/programs/ship/>

<https://msiahec.org/ship-application/>

New: The **CEYE at the Icahn School of Medicine at Mount Sinai** is offering two summer programs: **Introduction to Bioinformatics** and **Medical and Scientific Exploration**. Both programs will teach students the basics of cellular and molecular biology but with different approaches, either through the analysis of open access genomic data or guidance from different laboratories and clinical departments. “Students will also participate in team building, leadership development and college readiness.”

Eligible: All Students who identify as African American, Native American, or Alaskan American or meet state-determined low-income economic criteria

Dates: **July 6 – August 13**

Location: Virtual

Application Deadline: April 4

Cost: Free

Links: <https://icahn.mssm.edu/about/diversity/ceye/programs/summer>

<https://docs.google.com/forms/d/e/1FAIpQLSeHhquE55a8BmebiD58uPrXFFKUr0xquuOhmY7-3umZfXBsqA/viewform>

<https://mountsinai.app.box.com/s/3lheck5t5c7dwg116mbhg20a3z2sqd9t>

<https://mountsinai.app.box.com/s/e264aa84bqagf32znzasmrp1ww75omjw>

<https://mountsinai.app.box.com/s/cr5ta7stvosu38xdfd16thjrj4swe>

<https://mountsinai.app.box.com/s/8du4hni0bgu3nstlzhc77pd6cvmhsgkp>

Event Approaching **BraiNY Bunch Neuroscience Club**

BraiNY is looking for students to join this virtual journal club that meets to discuss scientific papers. It is co-led by two high school students and coordinated and mentored by a graduate student, postdoc, or research staff. Participants will have the opportunity to learn about different areas of neuroscience through careful readings and discussion of scientific findings. Each member of a BraiNY Bunch team will receive a \$30 honorarium for participating.

Eligible: All students

Dates: **February 28** (2:30-3:30pm) and the first Sunday of every month

Location: Virtual

Application Deadline: Rolling Basis

Cost: Free

Links: <https://www.comebebrainy.com/>

https://docs.google.com/forms/d/e/1FAIpQLSewe89sKrt4ihIh0YdkJ3nljPoeFV-LouOOBwY_U7q3vFbWg/viewform

[RETURN TO TOP](#)

Theater/Writing/Music/Video:

***New: Event Approaching:* Girls Write Now Friday Night Salons**

All students are welcome to view these free regular weekly get-togethers with successful writers. Past sessions are also available to view online. The next session's topic is: **Writing for Kids: Picture Books 101**

“Girls Write Now mentor and author Megan Reid, along with her literary agent Wendi Gu, share the magic of writing for elementary school kids as an adult, and the process of transforming research into writing kids will care about! Learn about the importance of style, understanding your audience, and working with an illustrator to turn your words into imagery. Plus, get insider tips on how to break into publishing and pave the way for a new generation of writers.”

Eligible: All students

Dates: **January 26** and subsequent Friday evenings (6:00 – 7:30pm)

Application Deadline: Rolling Basis

Cost: Free

Links: <https://www.girlswritenow.org/calendar/feb26salon/>

https://us02web.zoom.us/meeting/register/tZ0sce6orD0sE9SvYmMPRYIJmsbNqSEKU_JL

New: Deadline Approaching: The **2021 Youth Video Contest** is accepting submissions aligning with their theme “The Beginning of You.” Students will submit a short video story about things that define themselves, and may use any digital tools or applications.

Eligible: All Students under 18

Application Deadline: **February 28**

Link: <https://www.antinanco.org/youthvideocontest>

New: Deadline Approaching: **Chinese American Citizens’ Alliance Essay Contest**

All students may enter this essay contest, which will focus on a topic of interest to the Asian-American community. Participants will write their essay during a ‘live’ 90-minute time frame on Saturday, March 6th. **There is a \$1,000 top prize** - More information at the links below

Eligible: All students

Date: **Saturday, March 6** (10:00 – 11:30am)

Location: Virtual

Application Deadline: **March 4**

Links:

https://drive.google.com/file/d/1gumZ6_0AXBBIm_Wr_FNkG_1k_8eE-03B/view?usp=sharing

<https://drive.google.com/file/d/1TZb0I5zD9iYdw6BvUipw9tckG1XiaS3U/view?usp=sharing>

Deadline Approaching:

Penguin Random House Creative Writing Awards Contest

All public school seniors may submit one original literary composition in English in one of the genres of poetry, spoken word poem, fiction/drama or personal essay/memoir.

Eligible: Current Seniors

Application Deadline: **March 2** (or when 1000 applications have been received)

Link: <https://learnmore.scholarsapply.org/penguinrandomhouse/>

***Deadline Approaching:* New York Times/Science News STEM Writing Contest**

“Students will choose an issue or question in STEM that interests them and then write a 500-word explanation that will engage and enlighten readers.” Winning entries will be published. See below for the rubric and additional information.

Eligible: All Students age 11-19

Application Deadline: **March 2**

Links: <https://www.nytimes.com/2020/12/23/learning/our-2nd-annual-stem-writing-contest.html>

https://int.nyt.com/data/documenttools/lnstem-contest-rubric2021/2134323d0379aa99/full.pdf?utm_source=&utm_medium=&utm_campaign=

***Deadline Approaching:* Private Frontier Essay or Video Contest**

Students are invited to submit 1 500 – 1,000 word essay about Entrepreneurship & Innovation. “Is society better served with greater involvement from entrepreneurs?”

If so, who pays and who profits?” There is also a video competition, with both formats offering a top prize of **\$2,500**.

Eligible: All students 12 -18 years old

Application Deadline: March 8

Links: <https://stosselintheclassroom.org/essay-contest/>

<https://stosselintheclassroom.org/submit-essay-student/>

<https://stosselintheclassroom.org/video-contest/>

Deadline Extended: Princeton University Summer Journalism Program: This free virtual program is for low-income juniors who might be interested in journalism as a career. Students participate in a range of workshops, lectures, and activities led by professional journalists, Princeton professors, and program alumni.

Eligible: Low- income juniors (family income below \$60,000) with a minimum 3.5 GPA.

Dates: Mid June – Early August

New Application Deadline: March 15

Cost: Free

Links: <https://psjp.princeton.edu/about-program/apply>

<https://psjp.princeton.edu/apply/eligibility>

<https://psjp.princeton.edu/apply/application-process>

[RETURN TO TOP](#)

Opportunity Lists and Resources:

--Torus Teens General Opportunity Site

This website provides helpful information about a wide variety of opportunities for students.

Links: <https://torusteens.com/about>

<https://torusteens.com/search?interest=&city=>

--Johns Hopkins Center for Talented Youth:

<http://cty.jhu.edu/imagine/resources/internships/arts.html>

[RETURN TO TOP](#)

Scholarships:

***Deadline Extended/Approaching:* The National Scholarship**

All seniors who have significant unmet financial need and meet additional immigration & academic criteria may apply for this renewable award that covers up to \$16,500 for an associate degree and \$33,000 for a bachelor's degree.

Eligible: All Seniors who meet the immigration & academic criteria detailed in the links below.

New Application Deadline: **March 4**

Links: <https://www.thedream.us/scholarships/national-scholarship/>
<https://www.thedream.us/scholarships/national-scholarship/guidelines/>
<https://www.thedream.us/scholarships/national-scholarship/apply-national-scholarship/>
<https://www.thedream.us/scholarships/national-scholarship-faq/>

[RETURN TO TOP](#)

Resume & cover letter templates for basic student resumes may be accessed at the following links:

<http://jobsearch.about.com/od/resumesandcoverletters/1/blhighschool2.htm>
<http://jobsearch.about.com/od/resumetemplates/a/templatehs.htm>

If you are selected for or enroll in any of the above opportunities, please inform Mr. Blumm ASAP at: hblumm@stuy.edu

Whichever extra-curricular program, internship, or community service activity a student may participate in, they should be sure to ask their supervisor/coordinator to write a letter of appreciation before it concludes – it is sometimes very difficult to obtain this later on. And the more personal & detailed the letter, the better. A copy should then be submitted to your counselor.

Please feel free to contact Harvey Blumm at hblumm@stuy.edu with any questions or feedback on any items in this message, or with any suggestions or

concerns you may have. **And always feel free to share any information about opportunities that may be of interest to our parents, teachers, or students**