Stuyvesant Student Opportunity Bulletin #9L

November 6, 2020

Please note that in this **"Long"** version of the Student Opportunity Bulletin, **all** opportunities in each category are included.

For the list of only the *New* and *Deadline Approaching* opportunities in each category, you may click & open the **"Short"** 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)

In this week's edition, there are some new opportunities for you to consider. In the STEM area, check out tomorrow's "**Computer Science Community Showcase,** and the upcoming separate **NASA & Data Science** online panel discussions to learn more about these fields (in the Events & STEM sections)

There are also some new **CUNY College Now** free courses available for older students (Academics section). And the deadline for the NYU's Tisch School **'Future Artists'** programs in theater, game design, dance, and other areas has been extended toMonday, Noivember 9.

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: Event Approaching: **Computer Science Community Showcase**

"This virtual event celebrates computer science as a community. Participants will have the opportunity to interact with professional coders, dive into workshops featuring hands-on learning, and build a community of peers and mentors passionate about the field. Prizes and gift cards will be offered to partiicipants."

Eligible: All Students

Dates: **Saturday, November 7** (12:00 - 8:00pm)

Application Deadline: **ASAP**

Cost: Free

Link: https://apply.makeschool.com/register/cscs2020

New: **NYU Women in Tech Speaker Series: Artificial Unintelligence**

The first in this series will be a remote talk by Meredith Broussard, who is a professor at the Arthur Carter Journalism Institute of New York University and the author of *Artificial Unintelligence: How Computers Misunderstand the World.* Her research focuses on **artificial intelligence in investigative reporting,** with a particular interest in using data analysis for social good.

Eligible: All students

Date: **Wednesday, November 11** (9:00am)

Application Deadline: Rolling Basis

Cost: Free

Links: https://nyuwinc.org/

https://nyu.zoom.us/meeting/register/tJEvc-yqqDwpGdWB9lsG9n1om_OmOVd67x2f?fbclid=IwAR24M93Qajddtg7mvwBnQlVwGsb9ErHn4GB6qFQn5LYZupqgzVEq2ASBZ8o

New: **Career Chat with Data Science/Business & Gov't/Education Leaders**
There are several upcoming online discussions with leading professionals in Data Science/Tech/Business fields & in Government/ Education/Social Service areas.

Eligible: All students

Dates: December 4 and December 11 (4:30 -6:30)

Application Deadline: Rolling Basis

Cost: Free

Link:

https://docs.google.com/forms/d/e/1FAIpQLSfRp3maLQ2f2yWVpNrke21Yvn0pMH37yKdisY
WN5Z2hu08b_w/viewform?gxids=7628

Event Approaching: **HSF College Camps**

The Hispanic Scholarship Fund (HSF) welcomes all students & parents to participate in their online college admissions information session. This event will cover many aspects of applying to college, and the identical session will be repeate on three separate upcoming dates.

Eligible: All students

Dates: **Saturdays: November 7 and November 24**

Application Deadline: **Rolling Basis**

Cost: Free

Link: https://www.hsf.net/college-camp

Event Approaching: **Virtual College Fair**

There will be a series of virtual college fairs for high school students this fall. These free informational events will include hundreds of colleges. There will also be separate fairs for Performing Arts schools, Architecture & Design schools, and more. The next general college fair will take place on **November 8**

Learn more at these links: https://virtualcollegefairs.org/

https://www.nacacfairs.org/virtual

Event Approaching:

For seniors: Emma Bowen Foundation Information Session

This event will provide information about the program, which provides paid summer media-industry internships (with an affiliated scholarships) for selected 12th –graders – check the BUSINESS section to learn more. Resume-writing tips & career information will lso be offered.

Eligible: All seniors

Date: **November 12** (2:00 – 4:30)

Application Deadline: Rolling Basis

Cost: Free

Links: https://hopin.to/events/emma-bowen-foundation-info-session

Event Approaching:

Macaulay CUNY Honors Program Splash Remote Classes

"Students are invited to take unique one-day Zoom classes taught by undergraduate students on virtually anything. Bring an open mind and dive into topics you never knew existed. Register below:"

Eligible: All Students

Date: **Saturday, November 14**

Application Deadline: Rolling Basis

Cost: Free

Links: https://macaulay.learningu.org/

https://macaulay.learningu.org/learn/index.html

Event Approaching: **Brandeis Splash**

All high school students may register for a wide variety of courses taught by undergraduate students at Brandeis University. Classes will be 50 minutes long and take place virtually.

Eligible: All Students

Date: **Saturday, November 14** (12:00pm - 5:00pm)

Application Deadline: **Rolling Applications Basis – First come, first served**

Cost: Free

Link: https://brandeis.learningu.org/learn/Splash/index.html

Creatica Hackathon for Young Women & Non-binary Students

In order to increase gender diversity in tech spaces, this is New York City's first virtual hackathon for women & non-binary individuals in high school and college from around the world. It is a two-day event that will equip students with the real technical skills & support network to hack together a project. Students with all levels of coding skill are encouraged to join us and discover their potential as problem-solvers & tech leaders. Look forward to a weekend full of technical workshops, tech talks, mentorship, networking, and more.

Eligible: Women & non-binary individuals in high school and college

Dates: **November 13 - 15**

Application Deadline: **ASAP**

Cost: Free

Link: https://www.creatica.io/

Intrepid Museum's STEM Virtual Mentorship Day

"All students are invited to meet and chat with highlighted women in various STEM fields as they talk about their journeys in academia, career and their lives. From civil engineering, medical science, fashion, cybersecurity, marine science and more, come with an open mind, take a seat at the virtual table and be ready to join in the chat!"

Eligible: All female students

Dates: **Friday, November 18** (4:00 – 5:00pm)

Application Deadline: Rolling Basis

Cost: Free

Links:

https://docs.google.com/forms/d/e/1FAIpQLSex_1f6Oyu0IOmzUKZaRDGMOBLiUxTXKfTgxKTwgFRoMjMbpA/viewform

https://www.intrepidmuseum.org/education/teen-events

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Academic Programs:

New: **Additional CUNY College Now Spring Programs & Courses**

The CUNY College Now Program at campuses throughout the city offers **free** college-level summer science, math, & humanities classes to current juniors & seniors (sophomores may be eligible for some programs depending on requirements). Courses will occur remotely.

The application deadlines and course times vary for each individual campus - students should explore their options and apply ASAP. See the links below for more detailed information about programs and courses**.**

For City College & Hunter College classes, students should contact Stuyvesant College Counselor Elizabeth Hughes at: ehughes@stuy.edu with questions & for support.

Eligible: Current Juniors & Seniors (Sophomores may be eligible for some programs)

Dates: Spring 2021

Application Deadlines: Various – See below

Cost: Free

Link: https://k16.cuny.edu/collegenow/faqs/#1542059371505-3d90eec6-45ca

https://k16.cuny.edu/collegenow/colleges/

1-New: **Hunter College Now**

(Contact Ms. Hughes at ehughes@stuy.edu to apply for Hunter courses)

Example of Courses Offered: Computer Science, Media Studies, Music Theory, Mythology, Psychology, Sociology, Health, Philosophy

Application Deadline: **December 11**

Links: http://www.hunter.cuny.edu/college-now/

http://www.hunter.cuny.edu/college-now/copy_of_2021-spring-cn-application

http://www.hunter.cuny.edu/college-now/copy_of_spring-2018-college-now-application-packet

2-New: Lehman College Now

Example of Courses Offered: Digital Imaging, Business Management, Creative Writing, Statistics, Contemporary Moral Issues, Sociology, Criminology

Application Deadline: **December 31**

Links: http://www.lehman.edu/college-now/

http://www.lehman.edu/college-now/how-to-apply.php

http://www.lehman.edu/college-now/college-courses.php

3-New: Medgar Evers College Now

Example of Courses Offered: Biology, Computer Science, Composition, Criminal Law, Algebra and Trigonometry, Psychology, Sociology, Fundamental of Speech

Application Deadline: **January 15**

Link: https://www.mec.cuny.edu/college-readiness/college-now-program/

Other CUNY College Now Courses

-Updated: Bronx Community College

Application Deadline: First come, first served (priority for partner high schools)

Examples of Courses Offered: Computer Applications in Technology, Digital Imaging, Sociology, Marketing, Criminal Justice, Psychology

Links:

http://www.bcc.cuny.edu/academics/student-success-programs/college-now/
https://www.bcc.cuny.edu/academics/student-success-programs/college-now/application/
https://www.bcc.cuny.edu/academics/student-success-programs/college-now/class-schedule/

-*Updated:* <u>College of Staten Island</u>

Application Deadline: Rolling Basis

Additional Link:

https://www.csi.cuny.edu/academics-and-research/specialized-programs/high-school-programs/college-now/course-offerings

-*Updated:* <u>John Jay College</u>

Application Deadline: First come, first served (priority for partner high schools)

Additional Link: https://www.jjay.cuny.edu/college-now-apply-here

Examples of Courses Offered: Critical Thinking, Psychology, Fundamentals of Speech

City College

(Contact Ms. Hughes at ehughes@stuy.edu to apply for Hunter courses)

Examples of Courses Offered: Biology, Physics, English Composition, Psychology

Application Deadline: <u>December 10</u>

Links: https://www.ccny.cuny.edu/collegenow

https://www.ccny.cuny.edu/collegenow/application-process

https://www.ccny.cuny.edu/collegenow/course-information

file:///C:/Users/nycdoe/Downloads/College%20Now%20Virtual%20Recruitment%20Flyer%201010152020%20(1).pdf

file:///C:/Users/nycdoe/Downloads/Spring%202021%20Course%20Offerings%2010152020.pdf

file:///C:/Users/nycdoe/Downloads/CN%20%20Guide%20to%20Application%20Submission%20Spring%202021%2010202020.pdf

BMCC

Examples of Courses Offered: Critical Thinking, Psychology, Fundamentals of Speech

Application Deadline: **December 8**

Links: https://www.bmcc.cuny.edu/academics/success-programs/college-now/

https://www.bmcc.cuny.edu/wp-content/uploads/2020/10/CNOW-Spring-2021-Application.pdf

Baruch College

Examples of Courses Offered: Cultural Anthropology, Business Fundamentals, Personal Finance, Health Issues, Journalistic Writing, Psychology, Sociology.

Application Deadline: **December 4**

Links: https://www.baruch.cuny.edu/collegenow/

https://baruch.az1.qualtrics.com/jfe/form/SV_2f0T1ddG8GXf7k9

https://www.baruch.cuny.edu/collegenow/documents/Spring_2021_Course_Descriptions.pdf

York College

Examples of Courses Offered: Computer Science, Fine Arts, Financial Planning, Nutrition, History, Statistics and Probability, Pre-Calculus, Spanish

Application Deadline: **Rolling Basis**

Links: https://www.york.cuny.edu/academics/college-now

New: **Biomedical Engineering Innovations Online Course**

"This Johns Hopkins University Biomedical Engineering Innovation is a fully online course that introduces biomedical engineering to high school students by (1) modeling biological systems and designing experiments to test those models and (2) introducing engineering principles to solve design problems that are biological, physiological, and/or medical.

Students will model human efficiency and the cardiovascular system. Students are expected to use the informational content being taught in math, physics and biology and to apply this knowledge to the solution of practical problems encountered in biomedical engineering.

You will learn about Biomedical Engineering from experts in the field through lectures, assignments, and hands-on design projects."

Eligible: Preference to juniors & seniors, and 10th-graders who have completed Algebra II

Dates: **January 25 – April 23, 2021**

Application Deadline: Rolling basis

Cost: Approximately $3,300 – some financial aid may be available

Link: https://ei.jhu.edu/biomedical-online/

Deadline Approaching:

Ivy Online Academy Remote Information Science & Computer Classes

This is a Cornell University graduate student start-up company that offers a variety of STEM & Social Science research-focused courses for high school students. All

the three programs below will start on Nov 9th. Stuyvesant students can use the coupon code **"stuy"** for a 20% discount.

Students may now register for three new courses from this company:

Introduction to Machine Learning, Introduction to BioInformatics, and **EcoSolutions- A Smarter Greenhouse** (ecology & agroforestry focus)**.**

Eligible: All students

Dates: Courses begin on **Monday, November 9**

Application Deadline: Rolling Basis – Space still available

Cost: Various: From $170 - $599 (before discount)

Links: https://ivyonline.academy/information-science-serie

https://ivyonline.academy/environment-series

https://ivyonline.academy/life-science-series

https://docs.google.com/forms/d/e/1FAIpQLSeuOA3wN9RtCo-68T0vhaYL6spFoXUfdb1yNNOKjLeuchjsww/viewform?gxids=7628

Columbia University Spring Weekend Remote Courses
All students are invited to apply for weekend classes in a wide variety of fields, including Creative Writing, Psychology, Science, Medicine, and more. There will be an information session about this and other Columbia programs for high school students on Wednesday, October 28.
Eligible: All students

Dates: **January 16 – March 21; Information Session on October 28** (11am)

Application Deadline: **December 14**

Cost: $1,500 per course

Links:

http://precollege.sps.columbia.edu/highschool/academic-year-immersion/courses/spring?utm_content=Precollege&utm_campaign=PREC_AYI_DL-01_121420&utm_source=Email&utm_medium=Internal

http://precollege.sps.columbia.edu/highschool/academic-year-immersion/events/10-28-2020-online?utm_content=Precollege&utm_campaign=PREC_AYI_DL-01_121420&utm_source=Email&utm_medium=Internal

Yale Young Global Scholars Summer Program

YYGS invites students to "experience life as a university student at Yale while attending an academic session of their choosing." A variety of sessions are available, including Innovations in Science & Technology; Literature, Philosophy, & Culture; Politics, Law, & Economics; and Solving Global Challenges. Additional information and upcoming info-sessions are also available at the links below:

Eligible: All Sophomores & Juniors

Dates: June - July

Application Deadline: **November 10** (Early Action) or **January 12, 2021** (Regular Decision)

Cost: $6,500 (need-based financial aid available)

Links: https://globalscholars.yale.edu/how-to-apply

https://globalscholars.yale.edu/how-apply/info-sessions

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Business & Jobs

New: **Youth Exploring** offers many free programs to familiarize students (grades 9-12) with a variety of career experiences. For instance, there are upcoming remote opportunities in accounting (KPMG), engineering (Structure Tone), and in law with the Brooklyn and Queens, District Attorneys, plus many others as well.
Eligible: All students
Dates: Various – Each program meets remotely once a week for several weeks
Application Deadlines: Various
Links: https://www.nyexploring.org/
https://www.nyexploring.org/calendar
https://nyexploring.org/b-registar/

Into the Future – In-Person Small Classes

"Into the Future is a new community learning space that invites young people to anticipate and lead change. Through classes, community projects, and special events, we focus on understanding how the world is changing and how we can influence the future together." Teen Programs are listed below, learn more about them by using the links:

- **The Future of Tik Tok**
- **The Future of Creative Careers**
- **The Future of Computer Vision**
- **Entrepreneurs Club**

Eligible: All students

Date: Various

Location: 477 7th Ave Brooklyn, NY 11215

Application Deadline: Rolling Basis

Cost: $220

Links: https://www.intothefuture.nyc/

https://www.intothefuture.nyc/covid19-plans

https://www.intothefuture.nyc/sign-up-for-classes

InvestIN is offering a variety of live online work experience programs spanning 20 industries in 5 different categories: Medicine, Business, STEM, Law & Politics, and Creative. Students will have an immersive experience of the career they are interested in, receive personal career coaching, and meet and interact with industry professionals. Some programs are almost full, so register ASAP.

Eligible: All students ages 15 - 18

Dates: Various

Application Deadline: Rolling Basis

Cost: Various

Links: https://investin.org/collections/all

The **Harvard Undergraduate Women in Business's BOLD Business Leadership Conference** invites all female high school students with an interest in business to attend their annual high school conference. Participants will learn about business and engage with current Harvard business majors and local business leaders. The conference will be virtual. Registration will open soon.

Eligible: All female students

Dates: **January 30-31, 2021**

Link: https://www.huwib-bold.com/

Seniors: **Paid summer media-industry internships (**with an affiliated scholarship**)** for students from ethnic groups which are under-represented in media corporations (including, among others, Latinos, Asian & African-Americans). These spots are available at leading local media companies via the Emma Bowen Foundation. Eligible students who are interested in technical/engineering or news, broadcast, studio and other non-technical aspects of this industry are invited to apply.

Eligible: Current seniors from under-represented groups

Dates: Summer

Location: Various

Application Deadline: **Rolling Basis**

Links: http://www.emmabowenfoundation.com/

https://www.emmabowenfoundation.com/application

Careers: The U.S. government provides helpful career resources for students, such as a brief assessment they can use to learn about what professions might suit their interests and abilities. Learn more at these links:

http://www.mynextmove.org/explore/ip

http://www.careeronestop.org/StudentsandCareerAdvisors/StudentsandCareerAdvisors.aspx

http://www.careeronestop.org/

https://kids.usa.gov/teens/jobs/a-z-list/index.shtml

Community Service

Volunteer Tutor & Business Support @ Robotics for All

Robotics for All, a non-profit organization that provides academic support to needy students, welcomes all students with basic proficiency in courses that are currently being offered – these subjects include: Code.org, Scratch, Python, Java, HTML/CSS, and CAD (TinkerCAD and Fusion 360). Qualified students are welcome to serve as volunteer teachers. They are also seeking business interns.

Eligible: All students with basic subject proficiency, or interest in business development.

Dates: Four sessions per year

Application Deadline: **Rolling Basis**

Links: https://www.roboticsforall.net/volunteer-application.html

The **Minkwon Community Center** in Flushing welcomes students to its virtual Youth Empowerment Program, which teaches leadership, public speaking skills, advocacy, and organizing skills.

Eligible: All students

Dates: Fall 2020 – Spring 2021

Location: 136-19 41ˢᵗ Avenue, Flushing

Application Deadline: **ASAP**

Links: http://minkwon.org/

http://minkwon.org/what-we-do/youth-empowerment/

Visions Intergenerational Program for the Blind/Visually Impaired

Visions is a local organization that helps the blind and visually impaired, welcomes students to apply for their virtual **Volunteer Service Assistant** positions.

Students will conduct weekly check in calls and also assist with various research projects, surveys, and call lists.

Volunteer Title: VISIONS' Volunteer Service Assistant (V.S.A.)

Days and Hours: Services are provided depending on the students' schedules.

Specific Duties: Facilitate virtual classes, assist with technology related inquiries, and "friendly check in calls." Plus, assist with projects and participate in virtual training.

Program Incentives: Students receive a letter of recommendation, community service hours, a certificate upon completion of program, and end of semester

giveaways!

Requirements & Process: Must be 14 and over. Must be punctual, reliable, mature, and have good reading and verbal communication skills. Must be tech savvy and have knowledge of virtual meeting applications. Must submit via our online application portal on VISIONS website (www.visionsvcb.org) for consideration.

Participants will work in pairs, to visit and assist blind New Yorkers. Learn more by contacting Jose Gil at: 646-486-4444, ext. 233, or at **jgil@visionsvcb.org**

Eligible: All students 14 and older

Dates: 2020 – 2021 school year

Application Deadline: Rolling Basis

Link:

https://www.visionsvcb.org/get-involved/volunteering/volunteering-high-school-students/

Lemontree Volunteering Opportunity

Two highly flexible volunteering opportunities with Lemontree:

1) "In It Together is a volunteer matching service founded at the start of the pandemic that makes volunteering at food pantries, senior centers and soup kitchens easy, fun, fulfilling and safe. We'll work with you directly to match you with a volunteer project wherever you are and whenever you're available. In It Together sends out high-need projects to volunteers via text so registering for projects is quick and simple! It's that easy."

2) "Looking for the highest-impact, lowest-risk way to volunteer? Join our Flyering Squad and help spread the word about our Food Help Hotline! We host flyering events 3-4 times a week in convenient and easy to access public areas across the city. Your event leader will provide you with all the materials necessary for the project and break you up into small groups to

complete your route. Each event is less than 2 hours long and makes a huge impact in getting the word out to those who need emergency food assistance most."

Eligible: All students

Dates: Various

Locations: Various

Application Deadline: Rolling Basis

Links: https://www.volunteermatch.org/results/opp_detail.jsp?oppid=3317146

https://www.volunteermatch.org/results/opp_detail.jsp?oppid=3317422

Brush with Kindness/Habitat for Humanity is an organization that paints, plants, and generally improves parks, schools, camp; other public spaces around the city.

Eligible: All students 14 and older

Dates: Various

Location: Various

Application Deadline: Rolling Basis

Links: https://habitatnyc.org/volunteer/faq/

https://habitatnyc.org/volunteer/a-brush-with-kindness/

Student of the Year Campaign: All students with experience or interest in community outreach, fundraising, or service, are welcome to apply for this seven-week program to raise money to benefit research in and treatment of leukemia and related conditions. Learn more and apply at:

http://www.studentseries.org/high-schools/students-of-the-year

TUTORING OPPORTUNITES

-The **Star Learning Center** needs volunteer tutors to help low-income younger students for a minimum commitment of two hours a week. They are now accepting applications for their remote school year tutoring program.

Eligible: Current sophomores, juniors, & seniors

Dates: 2020-2021 school year

Application Deadline: Rolling Basis

Links:

https://docs.google.com/forms/d/e/1FAIpQLSei7aXq_LusEe3qo7hcEjqLaJ3kstDn hD_Q4KylpUmfPTiuDQ/viewform

-After-School Tutors & Helpers

The C.O.V.E. organization welcomes volunteers to assist them with one-on-one tutoring of elementary & middle school students. They also need administrative helpers – check the links below to learn more.

Eligible: All students

Dates: Fall term until December 17

Application Deadline: Rolling Basis

Links: https://www.coveducators.org/programs
https://www.coveducators.org/sign-up-forms

-The **Common Denominator – Tutor Middle Schoolers in Math**

All students are invited to remotely help middle school students with their math studies. Tutor training is provided, and the time commitment is once per week for up to 90 minutes.

Eligible: All students

Dates: Fall Term – one session per week

Application Deadline: Rolling Basis

Links: https://cdmath.org/volunteer

https://cdmath.formtitan.com/TutorApplication#/

-Shuang Wen P.S. 184 Internship

"Shuang Wen School, a public school in New York City also known as PS 184, is a bilingual elementary and middle school located in Manhattan's Chinatown." Student volunteers are needed to volunteer in various subjects including Mandarin, Computer Science, Math, and English.

Eligible: All students

Date: 2020-2021

Application Deadline: Rolling Basis

Link:
https://docs.google.com/forms/d/e/1FAIpQLSe4q_ttSqj6qw4hmQucStAUdolDBBT9uDNo3mdgnCDfYIYuhg/viewform?vc=0&c=0&w=1&flr=0

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

New: **Youth Advisory Council** for the **Civilian Complaint Review Board**
Student members of this group advise the NYC Police Department on ways to improve communication and relations between the NYPD and NYC youth.
Eligible: All students

Dates: 2020 -2021

Application Deadline: <u>**November 30**</u>

Links: https://www1.nyc.gov/site/ccrb/about/outreach/yac-application.page

The **Thurgood Marshall Professional Development Series** is "a professional development program for diverse high school students to strengthen their skills." These virtual workshops cover interview prep (December 8), office etiquette (February), and networking 101 (April). Each workshop consists of a panel presentation by professionals and a networking session with legal professionals. Register below:

Eligible: All Students

Dates: Various (4:00 - 6:00pm)

Application Deadline: <u>**ASAP**</u>

Cost: Free

Links: https://www.nycbar.org/serving-the-community/diversity-and-inclusion/student-pipeline-programs/programs/thurgood-marshall-professional-development-series

https://nycbardiversity.typeform.com/to/Yx85q04j

Bezos Scholars Program

Current juniors with ideas about improving their communities may apply to the free Bezos Scholar one-week summer program in Aspen, Colorado. Participants engage in online projects throughout the year. Learn more and apply via the information below:

Eligible: All Juniors (see link for additional requirements)

Dates: June 25 – July 21, 2021 (subject to change)

Location: Aspen, Colorado (subject to change)

Application Deadline: __January 11__

Cost: Free

Links: https://bezosscholars.org/apply/

https://bezosscholars.org/stories/2021-bezos-scholar-applications-open-now/

Whatever It Takes is a social entrepreneurship & leadership program for high school students. Participants work together to create projects to improve their

communities, and develop effective business models to succeed in their goals. All classes will be offered virtually.

Eligible: All students

Dates: Fall term

Application Deadline: ASAP

Cost: $1,185 – Some financial aid is available

Link: https://www.doingwit.org/college-credit

International Travel Opportunities

--Two free, full-year academic live-abroad programs offer high school students the opportunity to live and study abroad for extended periods of time. The **Kennedy-Lugar (YES) program** includes a number of foreign countries with significant Muslim populations, and the **Congress-Bundestag program** focuses on Germany (no previous language skills are required for either program). The application deadlines are in **early December**.

Eligible: All students

Dates: 2021-2022

Application Deadline: **December 1 (YES) and December 8 (CBYX)**

Cost: Free

Links: http://yes-abroad.org/

https://usagermanyscholarship.org/apply/?state=New%20York

--Bronfman International Fellowship:

Current juniors who identify as Jewish are eligible for a free five-week summer travel fellowship in Israel. Participants also participate in follow-up events in the U.S.

Eligible: Current juniors who identify as Jewish & will be 16 by Summer 2021

Dates: TBA

Application Deadline: **December 3**

Cost: Free

Link: http://www.bronfman.org/become

New York State Human Rights Internships

The Brooklyn office of the New York State Division of Human Rights welcomes student applications for part-time volunteer internships for spring & 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: **January 4**

Links: https://dhr.ny.gov/

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

NYC Youth Leadership Councils

NYC Youth Leadership Councils invite all students to apply for these policy/leadership groups with government agencies & non-profit groups that focus on youth issues affecting local communities. Opportunities with a wide variety of offices in all five boroughs are available. Participants develop professional & leadership skills, gain insight into college & career opportunities, and more.

Eligible: All students
Dates: Various
Location: Various
Application Deadline: Rolling basis
Links: http://www.nycservice.org/pages/pages/74

https://growingupnyc.cityofnewyork.us/generationnyc/ylc-application/

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Museums, Art, Photography:

New: The **Teen Art Connection** welcomes students with an interest in the arts to join their virtual art-focused program **Teens Curate Teens**. Students may apply to be a curator or artist. As curators, participants will visit galleries and learn how to

curate an exhibit. As artists, participants will create original artwork reflective of the theme to be showcased.

Eligible: All students

Dates: Spring term

Application Deadline: **TBA** (Application opens in November)

Cost: Free

Links: https://teens.artsconnection.org/tct/

Event Approaching:

The Center for Architecture's Architecture and Design College Fair

"An opportunity for students, parents, and school counselors to interface with school representatives from architecture schools. Students can visit school booths virtually to learn more about program offerings and schedule one-on-one meetings with school representatives. Registration is required."

Eligible: All students

Date: **Saturday, November 7** (12:00-4:00pm)

Application Deadline: Rolling Basis

Cost: Free

Link:

https://www.centerforarchitecture.org/k-12/teen-programs/architecture-college-fair/

Deadline Approaching: The **Metropolitan Museum of Art High School Internship Program** is accepting applications from current sophomores & juniors for Spring 2021. Participants engage in a variety of museum activities, help plan teen art events, and work with museum professionals.

Eligible: All sophomores & juniors

Dates: January – June

Location: 1000 Fifth Avenue, Manhattan

Application Deadline: **November 9**

Link:

https://www.metmuseum.org/about-the-met/internships/high-school/spring-high-school-internships

Event Approaching: **Whitney Museum Open Studio for Teens**

Students are invited to "a free art-making program on Zoom with Whitney educators. Each week, teens will experiment, create, and learn together with at-home art materials inspired by the Whitney's collection." Register at the link below:

Eligible: All Students

Dates: **Fridays - November 6, 13, 20; December 4, 11** (4:00pm)

Application Deadline: **ASAP**

Cost: Free

Link: https://whitney.org/events/open-studio-for-teens-oct-23

Whitney Teens x Artists

"Join Youth Insights Leaders as they talk with artists whose work is currently on view at the Whitney. Teens will ask the artist about their process and inspirations, and the artist will share what it is like to make art today and advice they might have for young artists." Register at the link below:

- **November 10**: This session will feature Jill Mulleady, who lives and works in Los Angeles and is known for her large scale representational paintings that combine real and imaginary subject matter. Teens will chat with her to examine her public art installation, "We Wither Time into a Coil of Fright."
- **December 8:** This session will feature Cauleen Smith. More information to come.

Eligible: All Students

Dates: **November 10, December 8** (4:00pm)

Application Deadline: Rolling Basis

Cost: Free

Link: https://whitney.org/events/whitney-teens-jill-mulleady

The **Studio Museum** in Manhattan offers a free eight-month digital **photography program** for high school students. It combines photography with a study of famous photographers, and all are welcome to apply. Meetings will take place Tuesdays from January 5 – August 3 online.

It also offers a **Teen Leadership** Council, which develops programs and outreach initiatives to youth, with virtual meetings on Wednesdays from January 6 – June 24, 2021.

Eligible: All students

Dates: January - August

Application Deadline: **November 13**

Links: https://www.studiomuseum.org/expandingthewallsapply

https://www.studiomuseum.org/teenleadershipcouncilapply

Metropolitan Museum of Art Teen Programs

The Met is offering various virtual programs to students who enjoy art. Registration is required. Below is one some upcoming event, with others scheduled over the next month:

 Virtual Teen Studio –Fashion of the Future (**December 5**: 2:00-5:00pm)

Eligible: All students

Dates: Various

Cost: Free

Links: https://www.metmuseum.org/events/programs/teens

Free Friday Nights at the Rubin Museum

The Rubin Museum focuses on the art of Himalayan regions, with a wide range of interesting exhibits. Free tickets sell out quickly, so interested students should register ASAP!

Eligible: All students and parents

Dates: Friday evenings from 6:00 – 10:00

Location: 150 West 17 Street, Manhattan

Cost: Free

Links:
https://rubinmuseum.org/events/series/free-friday-nights?mc_cid=4da1aa0cd7&mc_eid=d48393664e
https://rubinmuseum.org/visit/plan

Whitney Museum Events and Programs

The Whitney Museum is hosting various events for those interested in art. There is a series of **Art History from Home** events focusing on topics such as Queer Belonging, Picturing the Mexican Revolution, and more. Registration is required.

Eligible: All students

Dates: Various

Cost: Free

Link: https://whitney.org/events?event_category=online

Parks/Nature:

New: **Fort Greene Park Leaf Clean-Up: 'Leaf No Trace'**
"Sign up to join us for our last big volunteer day of the season! We will be working together to clean up leaves all over the park. Rakes and other equipment will be available for all volunteers, including sanitizer, gloves, and PPE. Please bring your own water bottle. Participants are asked to stay for the entire shift. To maintain social distancing, small groups will meet in different locations within the park. You will receive your group location assignment after registration, ahead of the event."
Eligible: All students

Date: **Saturday, November 14** (10:00am – 1:00pm)

Location: Fort Greene Park, Brooklyn

Application Deadline: Rolling Basis

Link: https://docs.google.com/forms/d/1utwKKI5C5Y6oJzsI_Sh_uRFaPF-3HVwOc5yHt2ZOBXI/viewform?edit_requested=true&gxids=7628

The NYC Parks Department offers a variety of volunteer positions throughout the city via its Green Teams program. All students may apply. To learn more, send an email to: Green.Teens@parks.nyc.gov

The NYC Parks Stewardship program also offers several volunteering opportunities such as forest restoration, tree planting, and invasive removal. All students may apply. To learn more, send an email to: stewardship@parks.nyc.gov

And, "It's My Park" is a program that engages volunteers in cleaning and beautifying parks across the five boroughs. There are also other volunteer programs and partner organizations of the NYC Parks Department students may check out at: https://www.nycgovparks.org/opportunities/volunteer

Links: https://www.nycgovparks.org/programs/recreation/teens

https://www.nycgovparks.org/reg/stewardship

https://www.nycgovparks.org/events/its_my_park_day

Prospect Park needs student volunteers for a variety of jobs, including special events throughout the year. All students are welcome to apply: https://www.prospectpark.org/get-involved/volunteer/youth-and-family-volunteer-opportunities/individual-teens-and-families/ https://www.prospectpark.org/get-involved/volunteer/

Van Cortlandt Park Volunteer Opportunities:
Van Cortlandt Park has numerous volunteering events throughout the Fall semester. Volunteers will help clean up the park and remove non-native invasive plants. Volunteers must wear a mask and practice social distancing while volunteering. VPCA will provide all work tools and supplies.
Eligible: All Current Students (even non-Bronx residents may apply)

Dates: Various throughout Fall semester

Location: Van Cortlandt Park in the Bronx

Link: https://vancortlandt.org/calendar-of-events/

NYC Rangers Conservation Corps Internships: All students with an interest in urban parks and environmental issues are eligible to apply. Participants meet once a week after school for several hours, and the program lasts eight weeks. Interested students should apply ASAP via the following links:

Eligible: All students

Dates: Afterschool, one afternoon per week for 8 weeks

Location: Various parks

Application Deadline: **Rolling Basis**

Links: https://www.nycgovparks.org/programs/rangers/conservation-corps

https://www.nycgovparks.org/programs/rangers/conservation-corps/contact

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Stem Opportunities:

Engineering/Math/Computer Science:

New: Event Approaching: **Computer Science Community Showcase**

"This virtual event celebrates computer science as a community. Participants will have the opportunity to interact with professional coders, dive into workshops

featuring hands-on learning, and build a community of peers and mentors passionate about the field. Prizes and gift cards will be offered to partiicipants."

Eligible: All Students

Dates: **Saturday, November 7** (12:00 - 8:00pm)

Application Deadline: **ASAP**

Cost: Free

Link: https://apply.makeschool.com/register/cscs2020

New: **Free One-Hour Coding Class**

All students with an interest in computer science may register for this session – no previous knowledge is required.

Eligible: All students

Date: Tuesday, November 10 (7:00 – 8:00pm)

Application Deadline: Rolling Basis

Cost: Free

Link:
https://docs.google.com/forms/d/e/1FAIpQLSfVgaAzLCR8kxdnNocfPZz7pZ9Qsb qjRZqX2BGHUhihWEIQIg/viewform

New: The **Think MIT Scholars Program** research competition, which "invites students to submit project proposals are science, technology, and engineering ideas that span many fields, from green technologies and practical devices to software

applications. As long as it can be completed in one semester with a $1,000 budget, almost anything is fair game!"

The deadline for submitting ideas for projects is January 1 (students may submit the actual projects during the spring semester). Questions may be directed to: think@mit.edu

Eligible: All students

Dates: January – June, 2021

Application Deadline: **January 1** (for project ideas)

Link: https://think.mit.edu/

New: **NASA Panel Discussion**
NASA's Space Technology Mission Directorate (STMD) develops transformative space technologies to enable NASA's future missions. STMD is focused on advancing technologies and testing new capabilities that will be critical for crewed missions to Mars. This panel will highlight how leaders from NASA's STMD program have navigated their careers to become leaders in the field of space tech innovation.
Eligible: All students

Date: **Monday, November 16** (4:00 – 4:45pm)

Application Deadline: Rolling Basis

Cost: Free

Links: https://genheration.com/event/nasa-panel/

https://wharton.qualtrics.com/jfe/form/SV_1MGx3gIJ7miGNRb

New: The **Boston Leadership Institute** is accepting applicants for its various summer 2021 STEM research programs. They offer one-week and three-week program options. Participants will engage in experimental research with faculty experts and explore potential college majors and careers. Programs include:

- Science: Biological research, chemistry research, forensic science, etc.
- Medicine: Neuroscience, oncology, emergency medicine, etc.
- Engineering/Tech: Biomedical engineering, electronics, robotics, etc.
- Business: Entrepreneurship, finance.

Eligible: Current sophomores & juniors

Dates: Summer 2021

Location: Various

Application Deadline: Rolling Basis

Cost: Various: $1,200 - $4,000 (Limited need-based scholarships available)

Links: https://www.bostonleadershipinstitute.com/application/

https://www.bostonleadershipinstitute.com/faq/

Event Approaching: **GenHERation Trailblazer Series:**

"The GenHERation Trailblazer Series highlights groundbreaking women who have created their own career paths. This series will provide participants with meaningful ways to learn from accomplished experts, develop new skills, and prepare for future career opportunities." The next session will feature a healthcare industry career coach - Learn more at the links below:

Eligible: All female students

Dates: Wednesdays from **November 11 - December 9** (7:00 — 7:30pm)

Cost: Free

Link: https://genheration.com/trailblazer-series/

https://genheration.com/event/trailblazer-series-valerie-hayes/

Event Approaching:

 Creatica Hackathon for Young Women & Non -binary Students
In order to increase gender diversity in tech spaces, this is New York City's first virtual hackathon for women & non-binary individuals in high school and college from around the world. It is a two-day event that will equip students with the real technical skills & support network to hack together a project. Students with all levels of coding skill are encouraged to join us and discover their potential as problem-solvers & tech leaders. Look forward to a weekend full of technical workshops, tech talks, mentorship, networking, and more.

Eligible: Women & non-binary individuals in high school and college

Dates: **November 13 - 15**

Application Deadline: **ASAP**

Cost: Free

Link: https://www.creatica.io/

GOALS for Girls STEM Summer Intensive Program

The **Intrepid Museum** offers several **virtual information sessions** for its GOALS for Girls summer program. This free program introduces girls to STEM professionals, engages them in STEM activities, and teaches them about various SREM career pathways.

The information sessions will take prospective participants through the application process and program itinerary. Interested students should register at the link below.

Eligible: All Freshmen female students

Dates: **December 5, January 30, February 3, March 6** (11:00am - 12:00pm)

Application Deadline: **Rolling Basis**

Cost: Free

Links: https://www.intrepidmuseum.org/education/goals-for-girls

https://www.intrepidmuseum.org/education/teen-events

https://docs.google.com/forms/d/e/1FAIpQLSdx2sQlV0q9mJ85Zc5oN5msr73Ag00TVfIeBPO2-JAMSiJv5A/viewform

The STEM Organization of America is hosting a **National At-Home STEM Competition** where students will compete by completing a project in the field of STEM they are most interested in. Student judges from universities such as Harvard, Stanford, and Yale will choose winners in 4 categories. Students have the chance to win up to $400. Learn more and register below:

Eligible: All Students

Application Deadline: **December 7**

Cost: Free

Links: https://tsoaonline.org/competition/

https://docs.google.com/forms/d/e/1FAIpQLSfXWYQcyTQEzwDZcPZq1Vnyk6nW6ftSnR0hsBCymMZlud7SZw/viewform

Columbia S.W.E. Newsletter

"The Columbia Society of Women Engineers (SWE) will be starting a newsletter and holding virtual events to engage with high school students." Sign up to learn about "events held by SWE, STEM internships and educational opportunities, design challenges, and other resources."

Eligible: All Students

Application Deadline: Rolling Basis

Cost: Free

Link:

https://docs.google.com/forms/d/e/1FAIpQLSfASHccqHHCAukfC6L_AWewkkMIXLFK_KhfXf39vF_Ky-MS1Q/viewform

2020-2021 Modeling the Future Challenge

"The Modeling the Future Challenge is a real-world competition for high school students combining math-modeling, data-analysis, and risk-management into one exciting challenge. To compete, students conduct their own research project modeling real-world data to analyze risks and make recommendations to companies, industry groups, governments, or organizations." **Winners will receive a $60,000 reward.**

<u>Details:</u> "To start the challenge, students must complete a Scenario in which they are given a real-world dataset and must answer approximately 30 fundamental questions regarding statistics and mathematical modeling to make sure they have developed the skills needed to complete their own actuarial research project. For all teams passing through the scenario phase, they will define and conduct a project of their own choosing - following the Actuarial Process as a guide - and will complete a research report detailing their methodology, analysis, and recommendations. All teams in accepted into the Project Phase of the program will be connected with an actuary mentor to help guide the students through the Actuarial Process and complete their research report."

Students can be from formal, informal, or home-school groups.

Eligible: All juniors and seniors

Dates: **<u>November 16</u> (Registration closes)**

Cost: Free

Links: https://www.competitionsciences.org/competitions/modeling-the-future-challenge-2020-21/

https://www.mtfchallenge.org/register-your-team/?utm_source=MTFChallenge+Subscribers&utm_campaign=270367a4c3-EMAIL_CAMPAIGN_2020_09_06_02_25&utm_medium=email&utm_term=0_8c354a3c91-270367a4c3-161458327

Paid engineering lab internships at U.S. Navy labs around the country are available to 10th-12th grade students 16 and older. These Science & Engineering Apprentice Program (SEAP) spots are for eight weeks in the summer, and pay a stipend of $3,500 to participants. The nearest participating facilities are in New Jersey and Connecticut; no housing is provided. **It is possible that the program will be switched to a virtual format, depending in the coronavirus situatio**n.

Eligible: Sophomores, juniors, and seniors who are U.S. citizens; limited opportunities for permanent residents

Dates: Eight weeks in summer

Location: Various

Application Deadline: **November 30**

Links: http://seap.asee.org/

http://seap.asee.org/program_details

GirlGenix "is a non-profit youth organization to unite young girls interested in pursuing careers in STEM. They offer tutoring and mentoring as well as sharing personal stories to create a virtual community for the female youth in STEM. Their virtual platform aims to help girls in middle school and high school with their

educational journeys to a STEM career."

Eligible: All female identifying students

Application Deadline: **Rolling Basis**

Links: https://docs.google.com/forms/d/e/1FAIpQLSfE2ybpLyY_pURb-ccwbX-_7vwjkQVFlvFb0h0TQt_oGALXhA/viewform

The **Congressional App Challenge** invites students with an interest in computer science to develop and submit original apps that can be used by the United States Congress. Interested students may check the links below to learn if their congressional district participates in this program:

Eligible: All students

Application Deadline: Rolling Basis

Links: https://www.congressionalappchallenge.us/students/student-registration/
https://www.congressionalappchallenge.us/
https://www.congressionalappchallenge.us/students/participating-districts/

Museum of Mathematics Programs & Resources:

Many of MoMath's programs are being offered for **free or at a reduced rate** for those in need — please visit individual event pages for more information.

MoMath at a Glance	
Ongoing	*Mind-Benders for the Quarantined!*, weekly mathematical puzzles from MoMath's puzzle master, Dr. Peter Winkler

	MoMath Online: Student Sessions, educator-led sessions for pre-K to 12 students exploring math from home
	MathPlay, the preschool program at MoMath
Accepting applications	*Expansions*, the gifted program at MoMath for students in first grade through high school
	Steven H. Strogatz Prize for Math Communication — for students 15 to 18 years old
	MOVES 2021, *Mathematics of Various Entertaining Subjects* — submit an abstract or activity for MoMath's fifth biennial conference
Fri, Nov 13	*Folding Fridays* — learn to fold unique origami designs
Fri, Nov 13	*Family Fridays*: "M-Cubed: Math, Mystery, and Magic" with Steve Sherman
Mon, Nov 16	*Pythagoras to Present Day: Math's Greatest Hits* with Alex Kontorovich
Wed, Nov 18	*Math Gym*, a workout for your brain
Thu, Nov 19	*Meet a Mathematician* featuring Benedict Gross
Fri, Nov 20	*Folding Fridays* — learn to fold unique origami designs

Fri, Nov 20	*[The Liar, the Glitch, and the Axiom of Choice](#)* — *a collaboration with* *[brilliant.org](#)*
Fri, Nov 20	*[Equilibrium](#)*, MoMath's adult evening of mathematical games
Sun, Nov 22	*[Tween Primes](#)*, the MoMath book club for teens and tweens: *Flatland: A Romance of Many Dimensions* by Edwin A. Abbott
Sun, Nov 22	*[Unlimited](#)*, MoMath's mix-n-mingle program for students in middle and high school
Mon, Nov 23	*[Pythagoras to Present Day: Math's Greatest Hits](#)* with Alex Kontorovich
Tue, Nov 24	*[QED: Homework Help... for Parents!](#)*
Wed, Dec 2	*[Math Encounters](#)*: "Breaking Up Is Hard To Do: The Art of Decomposition" with Jordan Ellenberg
Fri, Dec 4	*[Folding Fridays](#)* — learn to fold unique origami designs
Thu, Dec 10	*[Mathematical Magic Tricks](#)* with Joshua Zucker

Aug 8 to 10, 2021	[MOVES 2021, *Mathematics of Various Entertaining Subjects*](#) — MoMath's fifth biennial conference in New York City
Sept 7 to 10, 2021	[Meet Me in Paris: MATRIX x IMAGINARY 2021](#) — the biennial MATRIX conference in Paris, France with partners IMAGINARY and Institut Henri Poincaré

MoMath Online: Student Sessions **for pre-K through 12**

Ongoing, Mondays through Fridays

Parents, enroll your children in engaging, interactive math exploration in the popular

MoMath Online: Student Sessions program. Break the boredom of being at home with a journey into the wonderful and intriguing world of mathematics, guided by an experienced MoMath educator. Morning and afternoon slots available every weekday, Monday through Friday! For more information and to register, visit studentsessions.momath.org

eCyberMission is an online STEM contest for teams of freshmen, who devise solutions to community-based problems in their area.

Eligible: All 9th graders & middle school students

Dates: January – June 2021

Registration Deadline: **January 6**

Links: https://www.ecybermission.com/About

https://www.ecybermission.com/HowToCompete

https://www.ecybermission.com/Register

MIT Research Science Institute: **MIT** offers a free high-level, six-week summer research program for current juniors. It is suggested that applicants have high PSAT & ACT scores, but all may apply.

Eligible: Current juniors – Application available on **November 22**

Dates: Summer 2021

Location: Massachusetts Institute of Technology, Cambridge, Massachusetts

Application Deadline: **January 16**

Cost: Free

Links: https://www.cee.org/events/cee-hosts-zoom-session-high-school-students

https://www.cee.org/apply-rsi

Engineering Essay Contest invites all students to "submit a piece of writing that salutes engineering's role in meeting and defeating the challenges presented by COVID-19." The top prize is $500.

Eligible: All students

Application Deadline: **February 1, 2021**

Links: https://www.engineergirl.org/134513/2021-contest

https://www.engineergirl.org/134518/2021-rules-and-regulations

Steven H. Strogatz Prize for Math Communication

Cash prizes will be awarded for compelling math communication projects, and award-winning projects will be posted online. Projects will be accepted in the following categories: Apps or digital interactives, Audio, Performance, Social media, Video, Writing. Projects should be suitable for sharing with a general audience and should inspire an interest in or appreciation of mathematics. **High school students can work in pairs, small teams, or individually.**

Eligible: All students

Application Deadline: __April 21, 2021__

Links: https://momath.org/the-steven-h-strogatz-prize-for-math-communication/

Data for the People (D4P)

"Data for the People (D4P) is a weekly, interactive web-series that invites all people to engage with relevant scientific research topics, such as COVID-19. Scientific research topics are presented by scientists in our communities—directly from the primary scientific literature—and explored in a way that maintains the rigor of the research, while eliminating the inaccessible jargon."

Link:

https://rockedu.rockefeller.edu/d4p/mc_cid=1ea971ba50&mc_eid=bd600c268c

Three Tech/Science Lists:

-Here is a comprehensive list of nationwide STEM programs & resources available to high school students:

https://www.pathwaystoscience.org/programs.aspx?u=HighSchool_High+School+Students&submit=y

-NASA offers a variety of resources and programs for students interested in aerospace technology.

Links: https://www.nasa.gov/audience/forstudents/current-opps-index.html

https://www.nasa.gov/audience/forstudents/9-12/index.html#.UtAyv_vAG2k

-Connectory: An outstanding compilation of local opportunities in science, mathematics, and other related disciplines. Once on the site, just enter your zip code and area of interest to obtain comprehensive, up-to-date information on compatible programs for your student.

Link: http://theconnectory.org/

Medical/Life Sciences

New: **Biomedical Engineering Innovations Online Course**

"This Johns Hopkins University Biomedical Engineering Innovation is a fully online course that introduces biomedical engineering to high school students by (1) modeling biological systems and designing experiments to test those models and (2) introducing engineering principles to solve design problems that are biological, physiological, and/or medical.

Students will model human efficiency and the cardiovascular system. Students are expected to use the informational content being taught in math, physics and biology and to apply this knowledge to the solution of practical problems encountered in biomedical engineering.

You will learn about Biomedical Engineering from experts in the field through lectures, assignments, and hands-on design projects."

Eligible: Preference to juniors & seniors, and 10th-graders who have completed Algebra II

Dates: **January 25 – April 23, 2021**

Application Deadline: Rolling basis

Cost: Approximately $3,300 – some financial aid may be available

Link: https://ei.jhu.edu/biomedical-online/

Health Care Professions Week Virtual Fair (11/14-11/19) provides an array of online activities for high school students to explore and learn about career pathways, programs, and other opportunities in the many fields of medical practice. Interested students may learn more and register at:

Eligible: All students

Dates: **November 14 - 19**

Application Deadline: Rolling Basis

Cost: Free

Links: https://explorehealthcareers.org/hpw/

https://www.careereco.com/Fair/EventDetails?fairId=3078c9c2-a1d3-41d5-b1a7-aba001499ce5

Baseline Med Writer

"Baseline Med is a platform for students to learn more about the medical field through the perspectives and opinions of pre-med students and physicians." They are committed to promoting diversity in medicine and a support network for students interested in the medical field. Students interested in writing for Baseline Med can register at the link below:

Eligible: All students

Dates: 2020 – 2021

Application Deadline: Rolling Basis

Cost: Free

Links: https://baselinemed.com/

https://docs.google.com/forms/d/e/1FAIpQLSfDsU53nCn05PT7Z-IeL2BxHtZbdN4R4SYReB0vcvr54ZJqLQ/viewform

Rockefeller University offers an outstanding, free seven-week summer science research program for students 16 and older (at start of program). This Summer Science Research Program matches selected students with individual mentor scientists.

Eligible: All students 16 and older by June 28

Dates: June 28 – August 5

Application Deadline: **January 4, 2021**

Cost: Free

Links: https://www.rockefeller.edu/outreach/lab-initiative/summer-science/

https://sopstudentapplication.rockefeller.edu/

BioBus Science Town Halls & Science Resources
"BioBus hosts a Student Town Hall about a different issue in science live on **YouTube** every Thursday at 4pm ET — anyone can watch and ask questions. Each week, scientists will answer your questions live! Check the link below to view past sessions.

BioBus also offers a wide range of other activities & resources for students, including:

-**Science Challenges @ Home**: Students can engage in 'hands-on' topics ranging from DNA to Insects to Human Touch Receptors.

-**Viral Card Game**: How to play a simple game that will enhance your understanding of the coronavirus and other emerging viruses.

-**Online Resources:** Connect with working scientists, join citizen science projects, develop your own experiments, and more.

Eligible: All students

Dates: **Thursdays at 4:00pm** (for Students Science Town Halls)

Cost: Free

Links: https://www.biobus.org/townhall/
https://www.biobus.org/at-home/
https://www.biobus.org/resources/

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Theater/Writing/Music/Video:

New: The **Lucille Lortel Theater High School Playwriting Fellowship Contest**

Students may submit an original short (ten minutes in length) one-act play. Winners will have a staged reading of their play, mentoring from theater professionals, certificate of recognition, and more.

Eligible: All students

Application Deadline: **December 18**

Link: https://www.lortel.org/hspf

Deadline Extended/Approaching: The **Tisch Spring Future Artists Program**
NYU Tisch welcomes 9th, 10th, and 11th grade students to apply for their **free remote workshop classes** that take place on 14 Saturdays from February – May 2020. These include programs in Dance, Music, Game Design, Filmmaking, Theatre Arts, and more. The focus is on under-represented and financially needy students, but all may apply.
Eligible: All freshmen, sophomores, and juniors
Dates: Classes meet on Saturdays from **February 6- May 15**
Location: NYU Tisch, Manhattan
New Application Deadline: **Monday, November 9**
Cost: Free

Here is a description of a typical program: **Future Music Moguls**
Students who participate in Future Music Moguls not only learn about the creative process behind making songs, but they're also exposed to the exciting behind-the-scenes business decisions that help music wind up in the hands of audiences around the world. With a strong emphasis on current issues and rising trends in the distribution and delivery of music, students learn about music entrepreneurship and are introduced to issues in financial literacy that can be applied to a wide range of future activities, music-related or otherwise.
Qualities of an ideal candidate may include:

- a strong interest and/or participation in the music industry
- high academic achievement
- a strong ability to communicate and willingness to collaborate
- innovative or forward-thinking
- a self-starter, drive and passion
- competency and maturity
- a firm commitment to completing the entire workshop

Links:
https://tisch.nyu.edu/special-programs/high-school-programs/tisch-spring-future-artists-program

https://connect.nyu.edu/register/?id=530cd02c-91c5-4a1e-bc3c-7f882d6f25ed

https://tisch.nyu.edu/special-programs/admissions/spring-future-artists-program-requirements

https://tisch.nyu.edu/special-programs/admissions/admissions-calendar

The **rFuture Program** is a virtual 4-month workshop for students that "focuses on songwriting, production, and video creation to empower students to become artist activists and influence the trajectory of their communities toward sustainable action." Students will work with industry professionals to produce an original song and video to be showcased at a virtual event in May 2021.

Student songwriters of all languages, music styles, and instrumentation are welcome and encouraged to apply. Students can only apply when nominated by a DOE teacher. Learn more at the link below:

Eligible: All students – **applicants must ask any teacher to nominate them.**

Dates: January – April

Application Deadline: **November 20** (11:45pm)

Cost: Free

Links:

https://forms.office.com/Pages/ResponsePage.aspx?id=tyxJGEXvYUWFcQxC5fes
B1MN7jF_nBdEmvFRqpBm63pUNDdKRlJMRU5aUTE5SkxMRURIWFo3MU5
QQy4u

https://drive.google.com/file/d/1vPa8O-xFdG9r2ErBqaTpp1Pl_W1LyvUY/view

Deadline Approaching: **Letter to Congress Writing Contest:** The Pulitzer Center invites all students to enter by writing a letter to Congress about a global issue that they consider important. Topics should be based on news stories in the Pulitzer site's news center.

Eligible: All students

Application Deadline: **November 13**

Links:

http://www.pulitzercenter.org/builder/lesson/local-letters-global-change-pulitzer-
center-writing-contest-
24976?utm_source=email&utm_medium=educationnewsletter&utm_campaign=92
62018

http://www.pulitzercenter.org/

New York Chinese Cultural Center Online Dance Classes

Everyone is welcome to register for these free one-hour classes, which include Mongolian, Tibetan, and classical Chinese dance lessons.

Eligible: All students

Dates: Wednesdays at 8:00pm from November 11– December 9

Application Deadline: Rolling Basis

Cost: Free

Links: https://www.nychineseculturalcenter.org/upcoming-programs

Poetry Contest: Princeton University sponsors the Leonard L. Milberg Poetry Contest for current 11th-grade students. The top prize is $500.

Eligibility: Current Juniors

Application Deadline: **November 27**

Link:

http://arts.princeton.edu/about/opportunities/high-school-contests/poetry-contest/

Kenyon College in Ohio, which is widely known for its outstanding writing programs, invites all current 10th & 11th-graders to enter their student poetry contest.

Eligibility: 10th-11th Graders

Application Deadline: **November 30**

Link: http://www.kenyonreview.org/contests/patricia-grodd/

The **Scholastic Art & Writing Awards Program** is now accepting student submissions in 28 different creative categories – learn more about these prestigious & lucrative awards (which our students have excelled in) at the links below:

Eligible: All students

Application Deadline: **December 4**

Links: http://www.artandwriting.org/affiliate/NY001W/

https://www.artandwriting.org/what-we-do/the-awards/how-to-enter/

Human Rights and Immigration Essay Contest: The Kemper Foundation invites **all students** to submit essay entries on the following topic:

"Confronted with the coronavirus pandemic, countries around the world are making policy changes that affect human rights. How well is the United States meeting the goals of limiting the spread of the virus and preserving human rights? If there is a single issue that stands out above all the others, feel free to focus on that issue."

The top prize is $1,000 - Learn more at the link below:

Eligible: All students

Application Deadline: **December 10**

Links: https://khref.org/2020-essay-contests/

https://khref.org/wp-content/uploads/2020/06/1.-U.S..pdf

Mark Morris Dance Company Arts Immersion Fellowship
Participants take a free dance class of their choice throughout the school year, prepare a dance performance, and work with professional producers & arts administrators.
Eligible: All students
Dates: To Be Announced
Location: 3 Lafayette Avenue, Brooklyn
Application Deadline: **January 2021**

Cost: Free

Link:

https://markmorrisdancegroup.org/community/Arts-in-Education-for-High-School-Students/arts-immersion/

Japan Center Essay Competition

The Japan Center at Stony Brook University (JCSB) has announced the 16th Annual JCSB Essay Competition at Stony Brook University, sponsored by Canon U.S.A. The aim of the JCSB essay competition is to provide young Americans with an opportunity to think creatively and critically about their lives by relating them to some aspect of Japan to help them broaden their horizons and develop global citizenship. Winners will receive cash prizes up to **$3000** in addition to **a Canon camera.** Rules and details can be found at:

https://www.stonybrook.edu/commcms/japan/programs/essay-comp.php

Eligible: All high school students

Application Deadline: **January 8, 2021**

Link: https://www.stonybrook.edu/commcms/japan/programs/essay-comp.php

The **JFK Profiles in Courage** essay contest offers a $10,000 top prize. The topic is: "Describe and analyze an act of political courage by a US elected official who served during or after 1917."

Eligible: All students

Application Deadline: **January 15, 2021**

Links: https://www.jfklibrary.org/learn/education/profile-in-courage-essay-contest/getting-started

https://www.jfklibrary.org/learn/education/profile-in-courage-essay-contest/eligibility-and-requirements

The **National Peace Essay** offers a $2,500 top prize for high school essayists. This year's essay topic focuses on specific characteristics that lead to a successful effort by diplomats and peacebuilders to mediate or prevent violent conflict, and must include one example of a situation where diplomats worked on a peacebuilding initiative with partners from the country/region in question, nongovernmental organizations, and other parts of the U.S. government. Essays must be at least 1,000 words long.

Eligibility: All Students

Application Deadline: **April 5**

Links: http://www.afsa.org/essay-contest

https://www.usip.org/public-education/students/AFSAEssayContest

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Opportunity Lists and Resources:

-- NYC Online Department of Youth Activities

Free programs in dance, music, art, poetry, film-making and more:

https://www1.nyc.gov/site/dycd/services/special_initiatives.page

--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

--Teen Life: Useful alphabetized list of local programs:

https://www.teenlife.com/?SPNYC_View_All

--The **Academy of Applied Science** connects high school students to high-quality enrichment programs in science, math, and technology. Learn more at these links:

http://www.aas-world.org/

http://www.aas-world.org/interest-pages/for-students.html

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Scholarships:

New: All juniors and seniors may apply to the **Bank of America Student Leadership Summer Program**, which provides a paid 8-week summer community service internship, along with a one-week July leadership conference in Washington D.C.

Eligible: All Juniors & Seniors

Application Deadline: **January 29, 2021**

Links:

https://about.bankofamerica.com/en-us/what-guides-us/student-leaders.html#fbid=rOfX_Q7aOgM

https://www.cybergrants.com/pls/cybergrants/quiz.display_question?x_gm_id=1499&x_quiz_id=5082

https://about.bankofamerica.com/en-us/global-impact/student-leaders-program-faq.html#fbid=ThDSEzsCtOW

New: The **Coolidge Scholarship** welcomes applications for their full, four-year college scholarship for students with an interest in public policy and demonstrated service/leadership experience. The application deadline is January 20, 2021. Learn more and apply at:

Eligible: All Juniors

Application Deadline: **January 20**

Links: https://coolidgescholars.org/about/

https://coolidgescholars.org/about/faq/

https://coolidgescholars.org/apply/

Deadline Approaching: Seniors with strong records of community service may apply for the **Prudential Spirit of Community** awards. The application deadline is **November 10:**

https://spirit.prudential.com/

The **WIT Scholarship** is open to applications from **female seniors** who are studying in the fields of toy design, engineering, entrepreneurship, business, and others. Students may apply for this annual scholarship of $2,500 "on the basis of merit, innovation, and leadership."

Eligible: Female seniors interested in exploring the relevant majors/fields

Application Deadline: **November 27**

Link: https://genheration.com/event/wit-scholarship-2021/

Seniors of Italian heritage with financial need and a demonstrated record of commitment to their communities are welcome to apply for the **Columbus Citizens Foundation** scholarship.
Eligibility: Seniors of Italian Heritage
Link: http://www.columbuscitizensfd.org/scholarships/scholarships.html

The **Science Ambassador Scholarship** is open to applications from **female seniors** interested in majoring in STEM subjects. This full tuition award requires submission of a three-minute video explaining your interest in a STEM topic of your choosing. The application deadline is **December 14:**
https://www.scienceambassadorscholarship.org/?mc_cid=4ac875f05b&mc_eid=2fcf0e0bf1#intro

https://www.scienceambassadorscholarship.org/?mc_cid=4ac875f05b&mc_eid=2fcf0e0bf1#faq

The **Cirkled In "No Sweat" Scholarship** welcomes students to apply to win a $2,500 award to be used toward any educational need. There is no income or GPA requirement, and no long essay. One winner will be selected based on profile completeness and effectively addressing the scholarship question prompts. *Eligible:* All Juniors

Application Deadline: **December 31**

Links: https://www.cirkledin.com/scholarships/?ref=102720RC27NY

College Tidbits Scholarship Video
This short video from the TGR Foundation has some helpful tips for seniors searching for financial aid – paste the link below into your browser to view:
Link: bit.ly/37Smyxe

The **Jeffrey Ahn Jr. Art Fellowship** provides a $10,000 award for students interested in working on a creative summer art project.
Eligibility: Age 14-21
Application Deadline: **December 18**
Link: http://www.jeffreyahnjr.org/about-the-fellowship
https://jajf.slideroom.com/#/login/program/56740

APIA Scholars offers a range ($2,500-$20,000) of scholarships to support Asian & Pacific American (APIA) students.

"APIA Scholars provides scholarships to underserved APIA students with a special focus on those who:

- *Live at or below the poverty level, or are otherwise of low socioeconomic status;*
- *Are the first in their families to attend college;*
- *Are representative of the APIA community's diversity, (geographically and ethnically), especially those ethnicities that have been underrepresented on college campuses due to limited access and opportunity; and*
- *Have placed a strong emphasis on community service and leadership as well as solid academic achievement."*

Eligibility: Asian & Pacific American (APIA) students

Application Deadline: **January 14**

Links: http://www.apiasf.org/scholarship_apiasf.html

The Point Foundation offers generous scholarships to seniors with strong academic records and financial need who have worked to support the LGBTQ community. The application deadline is **January 25**; learn more and apply at:

https://www.pointfoundation.org/point-apply/apply-now/

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

http://jobsearch.about.com/od/resumesandcoverletters/l/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**