

# *Stuyvesant Student Opportunity Bulletin #13S*

*December 4, 2020*

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.

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In this week's edition, please note that there are rapidly-approaching deadlines for some of the free **CUNY College Now** spring classes (in the ACADEMICS section). For students interested in fresh air & nature, check out the online Information Session tomorrow (Saturday at 2pm) for the **Brooklyn Botanic Garden** Spring Internship program (PARKS & NATURE).

Also, please note that the application is now live for the **NYU Tandon School of Engineering ARISE STEM** summer research opportunity for current 10<sup>th</sup> & 11<sup>th</sup> graders.

For art lovers, the Museum of Arts & Design offers two free Recess Internships for the February & April vacations. And the **Brooklyn Museum's** online drawing & painting classes are a low-cost way to stay creative! (Museums & Art)

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](mailto:hblumm@stuy.edu) - we will share your helpful information with the Stuy community!

## **Events:**

### *New:* **Chat With a Scientist**

At this event, you'll meet two scientists from Pfizer (one of the companies that just developed a vaccine for the Covid 19) — **Jyoti Ramakrishna, MD, MPH**, Director of Clinical Research and **Aarti Sawant Basak, PhD**, Associate Director of Clinical Pharmacology. They'll explain how clinical trials are used to test out promising new drugs and life-saving vaccines.

*Eligible:* All students

*Date:* **Wednesday, December 16** (4:00 – 5:00pm)

*Application Deadline:* Rolling Basis

**Cost:** Free

**Links:** [https://www.nyas.org/events/2020/webinar-chat-with-a-scientist-how-drug-development-and-clinical-trials-really-work/?utm\\_source=The+New+York+Academy+of+Sciences&utm\\_campaign=b9dee21ded-Chat Scientist 2020 12 01&utm\\_medium=email&utm\\_term=0\\_cba25b11d2-b9dee21ded-184335233&mc\\_cid=b9dee21ded&mc\\_eid=94abaffc6a](https://www.nyas.org/events/2020/webinar-chat-with-a-scientist-how-drug-development-and-clinical-trials-really-work/?utm_source=The+New+York+Academy+of+Sciences&utm_campaign=b9dee21ded-Chat+Scientist+2020+12+01&utm_medium=email&utm_term=0_cba25b11d2-b9dee21ded-184335233&mc_cid=b9dee21ded&mc_eid=94abaffc6a)

**New: Meet a Mathematician at the Museum of Mathematics:**

Did you ever wonder what a mathematician does all day? Or what made someone decide to become a mathematician? Or even, what a mathematician does for fun? You may be surprised by some of the answers! Meet Professor Sarah Koch, a world-class mathematician at the University of Michigan (by way of Cornell and Harvard). Sarah Koch's work is, broadly, in complex dynamics, at once an ancient field asking basic questions about what happens when you repeat an operation over and over, and at the same time, a very modern one, whose beautiful Julia and Mandelbrot sets are illustrated on many a screensaver today.

Hosted by MoMath's 2020-2021 Distinguished Visiting Professor for the Public Dissemination of Mathematics and Rutgers math professor Alex Kontorovich

**Eligible:** All students

**Date:** Thursday, December 17 (4:00 pm)

**Application Deadline:** Rolling Basis

**Cost:** \$15

**Links:** <https://momath.org/meet-a-mathematician/>  
<https://momath.org/civicrm/?page=CiviCRM&q=civicrm/event/info&id=3612&reset=1>

***New:* Webinar on Links Between Green Space and Climate Change**

**“Access and Justice** “We invite teens to join us for a free workshop discussing the importance of access to green space and why it is an environmental justice and climate justice issue. Together, participants will reflect on their own interactions with parks and green spaces in their neighborhoods and uncover why access to these spaces is a justice issue.”

***Eligible:*** All students

***Date:*** December 15 – Preregistration required

***Application Deadline:*** Rolling Basis

***Cost:*** Free

***Links:*** [https://www.brooklynbridgepark.org/events/climate-justice-webinar-with-taylor-morton/?mc\\_cid=37e0de4fa5&mc\\_eid=f9c3a2bc03](https://www.brooklynbridgepark.org/events/climate-justice-webinar-with-taylor-morton/?mc_cid=37e0de4fa5&mc_eid=f9c3a2bc03)

***New:* SUNY Financial Aid Information and How-to-Apply Sessions**

**1-**“Prospective students and families are invited to join SUNY for an online workshop which will provide detailed information about the financial aid application and award process. We will review the cost of attendance and explore the types of financial aid available, including the Excelsior Scholarship. During the session, you will be able to send us your questions via live chat.”

**2-**“Learn the answers to all of your questions about applying to SUNY! This session will provide an overview of the application process, as well as step-by-step information on completing the SUNY Application.”

***Eligible:*** Seniors and all students

***Dates:*** Financial Aid Sessions: **Friday, December 18** (4:00pm)

How to Apply Sessions: **December 9 and December 16** (5:30pm)

***Application Deadline:*** Rolling Basis

***Links:*** [https://engage.suny.edu/portal/financial\\_aid\\_sessions\\_virtual](https://engage.suny.edu/portal/financial_aid_sessions_virtual)

[https://engage.suny.edu/portal/financial\\_aid\\_sessions\\_virtual?id=5c297015-fe55-4025-b9a6-236e53b30d7a](https://engage.suny.edu/portal/financial_aid_sessions_virtual?id=5c297015-fe55-4025-b9a6-236e53b30d7a)

[https://engage.suny.edu/portal/how\\_to\\_apply](https://engage.suny.edu/portal/how_to_apply)

***Event Approaching:***

**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 11** (4:30 -6:30)

***Application Deadline:*** Rolling Basis

***Cost:*** Free

***Link:***

[https://docs.google.com/forms/d/e/1FAIpQLSfRp3maLQ2f2yWVpNrke21Yvn0pMH37yKdisYWN5Z2hu08b\\_w/viewform?gxids=7628](https://docs.google.com/forms/d/e/1FAIpQLSfRp3maLQ2f2yWVpNrke21Yvn0pMH37yKdisYWN5Z2hu08b_w/viewform?gxids=7628)

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**Academic Programs:**

Several noted private universities offer winter and spring term courses for high school students. Participants earn college credit. Tuition for these classes is typically expensive, and financial aid is usually not available. Several options are listed below:

***Deadline Approaching: Cornell University Winter Session Classes***

“Cornell's Winter Session offers [online courses](#) with outstanding Cornell University faculty members. Enrollment is open to all—from undergrads and high school students to alumni and any interested adult.

Taking a winter course is an excellent opportunity to delve into a topic in depth, explore a potential major, or earn credits before the spring semester. Areas of study range from the arts and business to the sciences.”

***Eligible:*** All students

***Dates:*** January 4 – January 23

***Application Deadline:*** December 7

***Cost:*** \$4,700 and up

***Links:*** <https://sce.cornell.edu/precollege>

<https://sce.cornell.edu/precollege/program>

<https://sce.cornell.edu/courses/register/credit/high-school>

<https://sce.cornell.edu/courses/roster?sessions=Winter>

Columbia University offers two types of academic course programs – **College Edge** for juniors & seniors (and recent graduates), and **Academic Year Immersion** classes open to all high school students:

**1-*Information Event Approaching:* Columbia University College Edge Classes**

Eligible students may register for online courses during the Columbia spring term. Participants may enroll in the same classes as Columbia undergraduates and receive college credits.

***Eligible:*** Juniors & Seniors

***Dates:*** Information Sessions: **December 11 and December 22**

Classes: **January 11 – April 26**

***Application Deadline:*** **December 28**

***Cost:*** \$6,000 for typical 3-credit (point) class

***Links:*** <http://precollege.sps.columbia.edu/highschool/college-edge/academic-year/events/12-12-2020-college-edge-academic-year-information-session>

[http://precollege.sps.columbia.edu/highschool/college-edge/academic-year/events?utm\\_content=Precollege&utm\\_campaign=PREC\\_CE\\_DL-01\\_122820&utm\\_source=Email&utm\\_medium=Internal](http://precollege.sps.columbia.edu/highschool/college-edge/academic-year/events?utm_content=Precollege&utm_campaign=PREC_CE_DL-01_122820&utm_source=Email&utm_medium=Internal)

**2- *Deadline Approaching:***

**Columbia University Academic Year Online Immersion Classes**

“Through the Academic Year Immersion program, high schoolers will prepare for the college experience through exploratory coursework and community activities over ten weekends this fall and spring.”

***Eligible:*** All students



***Dates: January 16 – March 21***

***Application Deadline: December 14***

***Cost:*** \$1,500 per course

***Links*** <http://precollege.sps.columbia.edu/highschool/academic-year-immersion>

<http://precollege.sps.columbia.edu/highschool/academic-year-immersion/admissions>

**Additional CUNY College Now Programs for the Spring Term:**

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](mailto: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/>

***Deadline Approaching: ---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>

***Deadline Approaching: ---City College***

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

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

***Application Deadline: December 10***

***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%2010152020%20\(1\).pdf](file:///C:/Users/nycdoe/Downloads/College%20Now%20Virtual%20Recruitment%20Flyer%2010152020%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%200Spring%202021%2010202020.pdf>

***Deadline Approaching: ---Hunter College Now***

(Contact Ms. Hughes at [ehughes@stuy.edu](mailto: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_2021-spring-cn-application)

[http://www.hunter.cuny.edu/college-now/copy\\_of\\_spring-2018-college-now-application-packet](http://www.hunter.cuny.edu/college-now/copy_of_spring-2018-college-now-application-packet)

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## **Business & Jobs**

### ***New:* Genheration Leadership Panel**

“Join us for a virtual panel to learn from female professionals at **Adobe, Deloitte, L'oréal, and Hartford Funds**. This session will highlight how these leaders have navigated their career paths across different industries and their advice to help you prepare for your personal and professional pursuits.

Register [here](#) and you will receive a link via email to join the discussion the morning of the panel.”

*Eligible:* All students

*Date:* **Monday, December 14** (6:00 – 7:00pm)

*Application Deadline:* Rolling Basis

*Cost:* Free

*Links:* <https://genheration.com/event/lessons-in-leadership-panel/>

***Deadline Approaching: Imagine NYC Schools Youth Advisors Internship***

Students interested in taking a leadership role within the NYC Department of Education should apply to this internship. Participants will receive leadership training, investigate issues in education, empower youth voices, and more. Apply at the link below:

***Eligible:*** All Students

***Dates:*** January – June (1.5 hours/week)

***Location:*** Virtual

***Application Deadline:*** **Monday, December 7**

***Link:***

<https://docs.google.com/forms/d/e/1FAIpQLSdYMvPK-ExUhZQILVZLIo3c9kR0cll8K48JCwlDupFnxp8Qsg/viewform?gxids=7628>

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**Community Service**

***New:*** Luv Michael is a nonprofit that “trains, educates, and employs autistic adults. Volunteers will learn about issues facing the Autism community and build their own campaign to advocate for those diagnosed with Autism.”

***Eligible:*** All Students

***Dates:*** Various

***Location:*** Virtual

*Application Deadline:* Rolling Basis

*Links:* <https://luvmichael.com/>

<https://luvmichael.com/volunteer-community-service-hours/>

***New/Deadline & Events Approaching:***

**Amigos Community Impact Project Information Sessions**

“Join any of the upcoming virtual information sessions for these dynamic online & hybrid programs. For students interested in Latinx & Latin American issues, the AMIGOS Community Impact Project gives you the chance to join a social action movement at a time when global connection and local action are more important than ever. This innovative initiative enables you to channel your energy into working with other young leaders across the U.S. and Latin America. You’ll create projects that address our most pressing issues during this global crisis and you’ll build a network of like-minded individuals committed to creating positive change.”

***Eligible:*** All students

***Dates:*** Information Sessions: **December 6** (2:00pm) & **December 9** (3:00pm)

Program dates: **March 9 – May 1**

***Application Deadline:*** **December 15**

***Cost:*** &995 – Financial aid available

***Links:*** <https://amigosinternational.org/programs/community-impact-project/>

<https://us02web.zoom.us/meeting/register/tZAvdu-tqjkuHdPu0m1udc0Td2uv8Zf-WzSg>

***New:*** **Get Out the Vote Text Drive**

The MinKwon Center is inviting you to volunteer with us! 2021 elections are right around the corner, and we are inviting you to text bank with us. We will be reaching out to local community members to remind them to register to vote as the 2021 local elections are coming up

***Eligible:*** All students

***Dates:*** Mondays & Wednesdays (6:00pm)

***Application Deadline:*** Rolling Basis

***Links:***

[https://www.mobilize.us/minkwongotv/event/364013/?mc\\_cid=ca78bf3d06&mc\\_eid=642f4c3cb5](https://www.mobilize.us/minkwongotv/event/364013/?mc_cid=ca78bf3d06&mc_eid=642f4c3cb5)

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

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

### ***New:* The Knowledge Society**

The Knowledge Society is a ten-month program that offers a high-tech oriented program to teach students how to develop techniques (based on innovative tech companies) to help improve the world. This year, there is also a virtual option being offered.

***Eligible:*** Students 13 – 18 years-old

***Dates:*** 2021-2022 School Year

**Location:** Various

**Cost:** \$590/month for TKS New York

\$439/month for TKS Virtual (some financial aid available)

**Early Application Deadline: January 24**

**Links:** <https://tk.s.world/apply/>

<https://tk.s.world/newyork/>

<https://tk.s.world/virtual/>

<https://tk.s.world/faqs/>

**New: Angelo Del Toro Hispanic Youth Leadership Information Session**

“If you are a Puerto Rican, Hispanic, or Latinx public high school student, you may apply to this year’s virtual Puerto Rican/Hispanic Youth Leadership Institute. The Institute focuses on developing leadership skills, provides the chance to engage with elected officials, and helps you gain in-depth knowledge about the state legislative process. As part of the Institute, you will complete an advocacy project that you can use towards the New York State Seal of Biliteracy on your high school diploma. If you are a high school senior, you may apply to a college scholarship through the Institute.”

**Eligible:** All Hispanic students in 10<sup>th</sup>, 11<sup>th</sup>, and 12<sup>th</sup> grades

**Dates: Online Information Session: December 8 (6:00pm)**

**Application Deadline: Rolling Basis**

**Links:** <http://prhyli.org/about.php>

<https://us02web.zoom.us/meeting/register/tZ0ld-yhqjsrH9fS1hJ9mzBP0sf1Ik1u3qTu>

***New:* Generation Leadership Panel**

“Join us for a virtual panel to learn from female professionals at **Adobe, Deloitte, L'oréal, and Hartford Funds**. This session will highlight how these leaders have navigated their career paths across different industries and their advice to help you prepare for your personal and professional pursuits.

Register [here](#) and you will receive a link via email to join the discussion the morning of the panel.”

***Eligible:*** All students

***Date:*** **Monday, December 14** (6:00 – 7:00pm)

***Application Deadline:*** Rolling Basis

***Cost:*** Free

***Links:*** <https://generation.com/event/lessons-in-leadership-panel/>

***Deadlines Approaching:* 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 8 (YES) and December 8 (CBYX)**

***Cost:*** Free

***Links:*** <http://yes-abroad.org/>

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

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## **Museums, Art, Photography:**

***New:*** The **Brooklyn Museum’s Gallery/Studio Program** offers a virtual art course Drawing and Painting: American Refresh (Portfolio Development). “Each week offers a new opportunity to learn a new technique or material, discuss a work of art with your peers, and work on your own creative expression... This course also focuses on portfolio development. All levels of experience are welcomed.”

***Eligible:*** All Students

***Dates:*** January 10 – February 7 (Sundays 1:00-3:00pm)

***Location:*** Virtual

***Application Deadline:*** First come, first served

***Cost:*** \$145; scholarships available on first come, first served basis

***Links:*** [https://www.brooklynmuseum.org/education/art\\_classes/teen](https://www.brooklynmuseum.org/education/art_classes/teen)

<https://www.showclix.com/event/gsp-winter-2021/listing>

***New:*** Museum of Arts & Design Recess Internships

“RECESS is a week-long, intensive internship program at the Museum of Arts and Design (MAD) and meets for two separate sessions during winter and spring school break. As a Recess Intern, you will learn about art and art history with other teens from around New York City. During RECESS I, teens will interview an artist for MAD's Artist studio program and create a podcast.

During RECESS II, teens go behind the scenes to develop your own tours, learn a bit about how museums work, and conduct peer-to-peer tours at MAD. Spring RECESS participants receive a weekly unlimited MetroCard and serve as a member of MAD’s teen council.”

***Eligible:*** All students

***Dates:*** Winter Recess: **February 16 – 19**; Spring Recess: **March 30 - April 2**

***Application Deadline:*** **January 21**

***Location:*** Winter Recess is digital; Spring Recess is at the Museum at 2 Columbus Circle, Manhattan

***Cost:*** Free

***Link:***

[https://docs.google.com/forms/d/e/1FAIpQLSfdDwwFwgWq8hUQ5LUmukBjDHIL8YaihP3S7Y-iD\\_wQN6I28Q/viewform](https://docs.google.com/forms/d/e/1FAIpQLSfdDwwFwgWq8hUQ5LUmukBjDHIL8YaihP3S7Y-iD_wQN6I28Q/viewform)

***New:*** The **Fallingwater Institute** offers various virtual summer programs in which students can learn about architecture and design:

- **Virtual Summer Camp**

- Drawing By Hand: Introduction to Architecture Drawing: “learn the basics of architectural drawing during group discussions, independent studio time, and individualized critique”
- Portfolio Prep: “for students who are interested in studying design, architecture, and fine art at a collegiate level”
- **High School Residency**
  - **Studio 1:** “individual and collaborative projects, drawing, model-making exercises, and daily drawing sessions,” career exploration, and portfolio preparation
  - **Studio 2:** for juniors and seniors “preparing for admissions to an architecture, design, or art school”
  - **Drawing Intensive:** for 10th through 12th grade students “who are curious about a career in the visual arts, design or architecture and/or who want to improve their drawing skills”

For more information, contact Fallingwater Institute Program Manager Marie Woof at [mwoof@paconserve.org](mailto:mwoof@paconserve.org).

***Eligible:*** All Students

***Dates:*** Various (**June 14 – August 20**)

***Application Deadline:*** Rolling Basis

***Cost:*** Various (\$250-\$1000, includes materials or residency)

***Links:*** <https://fallingwater.org/virtual-summer-camps/>

<https://fallingwater.org/education/fallingwater-institute/high-school-residency-studio-1/>

<https://fallingwater.org/education/fallingwater-institute/high-school-residency-studio-2/>

<https://fallingwater.org/education/fallingwater-institute/high-school-residency-drawing-intensive/>

***Event Approaching:*** 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. Participating teens are invited to add their own perspective to the conversation by sharing their thoughts via chat.

In this conversation, teens will chat with artist [Cauleen Smith](#), whose work draws on experimental film, non-Western cosmologies, poetry, and science fiction to create works that reflect on memory and Afro-diasporic histories. Smith's first solo show in New York, entitled *Cauleen Smith: Mutualities*, is currently on view at the Whitney.”

***Eligible:*** All Students

***Dates*** **Tuesday, December 8** (4:00pm)

***Application Deadline:*** Rolling Basis

***Cost:*** Free

***Links:*** <https://whitney.org/events/whitney-teens-cauleen-smith>

### ***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. Upcoming sessions focus on “Your NYC” and Reimagined Sculptures.”

***Eligible:*** All Students

***Dates:*** **Friday, December 11** (4:00pm)

***Application Deadline: ASAP***

***Cost:*** Free

***Links:***

<https://whitney.zoom.us/meeting/register/tJYpfuGpqjIqEtZWxhyUzvsgYSLKmlj63qlP>

<https://whitney.zoom.us/meeting/register/tJYod-GgrTliGNZ0LK-x-lcCHnUUfIPVVAqe>

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### **Parks/Nature:**

***New:*** The **Brooklyn Botanic Garden Apprentice Program** offers high school students a great opportunity to learn about careers in urban agriculture, botany, environmental studies, and public gardens. There is an **Information Session on Saturday, 12/5** to learn more about this nine-month, hands-on program. The program begins next spring, and can lead to further paid positions. Students may learn more by contacting: [gap@bbg.org](mailto:gap@bbg.org) or at the links below

***Eligible:*** All students in 9<sup>th</sup>, 10<sup>th</sup>, and 11<sup>th</sup> grades

***Dates:*** March – November : Information Session: **Saturday, December 5**  
(2:00pm)

***Location:*** 990 Washington Avenue, Brooklyn

***Application Deadline: January 4***

***Links:*** <https://www.bbg.org/learn/gap>

<https://fs20.formsite.com/bbg-forms/form37/index.html?1606792076495>

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## **Stem Opportunities:**

### **Engineering/Math/Computer Science:**

**New:** 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>

**New:** The **Program in Mathematics for Young Scientists** is a six week summer program designed to encourage students to explore the world of mathematics. In addition to regular program activities, there weekly lectures and social gatherings.

Students will have access to a community of undergraduate counselors and senior mathematicians. Learn more below:

**Eligible:** All Sophomores, Juniors, and Seniors ages 14 and older

**Dates:** Summer 2021

**Location:** TBA

**Application Deadline:** **TBA**

**Cost:** TBA (around \$5,000 for tuition, room and board); full and partial need based financial aid available

**Links:** <https://promys.org/home>

<https://promys.org/about-promys>

<https://promys.org/program>

<https://promys.org/program/applications>

**New:** 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** (Application opens December 15)

**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/>

**New:** The **Massachusetts Institute of Technology MOSTEC Program** is a six-month experience which includes summer online courses, a five-day conference with other participants & MIT staff, and a fall online enrichment series of events with MIT faculty & researchers.

**Eligibility:** Current juniors; Some preference is given to under-represented groups, but all may apply

**Dates:** June – November 2021

**Location:** MIT

**Application Deadline:** **February 1**

**Cost:** Free

**Links:** <https://oeop.mit.edu/programs/mostec/program-details>

<https://oeop.mit.edu/programs/mostec/who-should-apply>

<https://oeop.mit.edu/programs/mostec>

<http://summerapp.mit.edu/>

**New:** The **Women’s Technology Project (WTP) at MIT** “is a virtual summer program for current female juniors that offers a track in either electrical engineering & computer science or mechanical engineering. This is a rigorous



four-week summer academic where high school students explore engineering through hands-on classes, labs, and team-based projects.”

**Eligible:** Female juniors without substantial STEM backgrounds; focus is on applicants from under-represented & financially-disadvantaged backgrounds.

**Dates:** **June 26 – July 23** (Monday - Friday 10:00am-5:00pm)

**Application Deadline:** **January 15**

**Cost:** Free

**Links:** <http://wtp.mit.edu/>

<http://wtp.mit.edu/application.html>

<http://wtp.mit.edu/faq.html>

<http://wtp.mit.edu/calendar.html>

***Event Approaching:* 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/1FAIpQLSdx2sQIV0q9mJ85Zc5oN5msr73Ag00TVfleBPO2-JAMSiJv5A/viewform>

***Deadline Approaching:*** 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:*** **Monday, December 7**

***Cost:*** Free

***Links:*** <https://tsoaonline.org/competition/>

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

***Event Approaching:*** NYC Youth Exploring offers many free programs to familiarize students (grades 9-12) with a variety of career experiences. Participants

can interact with leading professionals in this field. There is currently a program with major engineering firm **Syska-Hennessy**.

**Eligible:** All students

**Dates:** December 10 and December 16 (4:00pm)

**Application Deadlines:** Rolling Basis

**Cost:** Free

**Links:** [https://scoutingevent.com/Download/64069094/OR/Syska\\_Hennessy\\_Fall\\_2020.pdf](https://scoutingevent.com/Download/64069094/OR/Syska_Hennessy_Fall_2020.pdf)

<https://www.nyexploring.org/calendar>

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

### **Events Approaching:**

#### **Mock Engineering Science Classes at Syracuse University**

All students are invited to sign up for special free one-hour classes taught by Syracuse University professors. There is a variety of options to choose from, including Mechanical & Aerospace Engineering (12/4) and Biomedical Engineering (12/9).

**Eligible:** All students

**Dates:** December 4 – December 18

**Application Deadline:** Rolling Basis

**Cost:** Free

**Links:** [https://eng-cs.syr.edu/admissions/undergraduate/#Virtual\\_Events](https://eng-cs.syr.edu/admissions/undergraduate/#Virtual_Events)

[https://syr.secure.force.com/events/targetX\\_eventsb\\_events#/esr?eid=a0d4U00000TBbvfQAD](https://syr.secure.force.com/events/targetX_eventsb_events#/esr?eid=a0d4U00000TBbvfQAD)

[https://syr.secure.force.com/events/targetX\\_eventsb\\_events#/esr?eid=a0d4U00000TCKbNQA](https://syr.secure.force.com/events/targetX_eventsb_events#/esr?eid=a0d4U00000TCKbNQA)

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***Deadline Extended:*** Paid engineering lab internships at U.S. Navy labs around the country are available to 10<sup>th</sup>-12<sup>th</sup> 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 situation.**

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

***Dates:*** Eight weeks in summer

***Location:*** Various

***New Application Deadline:*** **December 15**

***Links:*** <http://seap.asee.org/>

[http://seap.asee.org/program\\_details](http://seap.asee.org/program_details)

## **Medical/Life Sciences**

***Deadline Extended:***

### **American College of Cardiology Young Scholars Program**

“The Young Scholars program aims to provide promising young students with an introduction to the field of cardiology and strengthen the pipeline of talent for the future.

Stuyvesant juniors & seniors may take part in the Young Scholars Program's virtual meetings and online conversations. Interested students should apply by December 1, 2020, for a chance to get a firsthand look at a life in cardiovascular medicine and the challenges faced by researchers and health care professionals caring for patients with a variety of cardiovascular diseases!”

**Eligible:** All current juniors and seniors

**Dates:** March – June, 2021

**New Application Deadline:** **December 15**

**Cost:** Free

**Links:**

[https://www.acc.org/membership/sections-and-councils/academic-cardiology-section/young-scholars-program?CID=mvweb\\_ehc](https://www.acc.org/membership/sections-and-councils/academic-cardiology-section/young-scholars-program?CID=mvweb_ehc)

<https://accmembership.wufoo.com/forms/m1rs0lt50egxeb4/>

**NYC Youth Exploring** offers many free programs to familiarize students (grades 9-12) with a variety of career experiences. Participants can interact with leading professionals in this field. They are offering an upcoming session with **Lenox Hill Hospital** to introduce students to potential careers in healthcare.

**Eligible:** All students

**Dates:** **December 17** (6:00pm)

**Application Deadlines:** Rolling Basis

**Cost:** Free

**Links:**

[https://scoutingevent.com/Download/64069095/OR/Lenox\\_Hill\\_Hospital\\_Fall\\_2020.pdf](https://scoutingevent.com/Download/64069095/OR/Lenox_Hill_Hospital_Fall_2020.pdf)

<https://www.nyexploring.org/calendar>

<https://www.nyexploring>

The **MDI Biological Laboratory** offers summer research fellowships for students interested in developing scientific research skills. “Fellows are supervised by a faculty mentor and work alongside undergraduate fellows, graduate students, postdoctoral fellows and research assistants, thereby gaining experience and perspective on scientific research careers. They will conduct an independent research project and present their findings at our annual Summer Science Symposium.”

**Eligible:** Students at least 16 years old as of June 21, 2021

**Dates:** Summer 2021

**Location:** Salisbury Cove, Maine

**Application Deadlines:** **January 8** (Teacher nomination);

**February 5** (Student application)

**Cost:** Free (except for travel and laundry expenses)

**Link:** <https://mdibl.org/education/high-school-opportunities/hs-applications/>

## **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 10<sup>th</sup>-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/>

### **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/>

### **Medical Career Information Resource**

**My Next Move** provides concise information about many different career paths, including a wide range of medical professions. Students can learn about each specialty's knowledge, skills, abilities, technology, and personality type that may lead to success in the field. For an example, check the link for veterinarians below:

*Links:* <https://www.mynextmove.org/find/search?s=doctor>  
<https://www.mynextmove.org/profile/summary/29-1131.00>

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## **Theater/Writing/Music/Video:**

**New:** **Free summer arts classes:** The **Summer Arts Institute** is a free Department of Education-sponsored four-week summer arts program for all high school students, with instruction in music, dance, theater, photography, and more. More information to come.

**Eligible:** All students – Register now to be notified when the application opens

**Dates:** TBA

**Location:** TBA

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

**Cost:** Free

**Link:**

<https://www.cvent.com/surveys/Welcome.aspx?s=d8f0a8fe-7fd4-4fa2-b8f5-4aea673e4bf0>

**Deadline Approaching: 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>

***Deadline Approaching:*** The **Atlantic Acting School** is offering virtual winter classes including: On Camera Intensive: Showcase, Musical Theater Rep, Musical Theater:Revue, The Fundamentals of Acting, and Teen Conservatory (Scene Study). Learn more about each class and register at the link below:

***Eligible:*** All Students

***Dates:*** January – March (one session per week)

***Location:*** Virtual

***Application Deadline:*** **December 10**

***Cost:*** \$325 - \$525 (Receive a 10% discount with code WINTERATATC)

***Link:*** <https://atlanticactingschool.org/kids-and-teens/winter/>

***Deadline Approaching: Wingspan Arts: Arts Online!***

Wingspan Arts is launching a virtual program for students this fall. There are a variety of classes to select from: Playwriting, Stop Motion Animation, Acting

Styles & Scenic Study, Acting for the Camera, Cosplay, and Shakespeare Club.  
Classes meet virtually during after school hours.

***Eligible:*** All students

***Dates:*** September – November

***Application Deadline:*** **December 15**

***Cost:*** Various (financial aid and discounts available)

***Links:*** <https://wingspanarts.org/arts-online/>

<https://wingspanarts.org/wp-content/uploads/2020/09/Fall-Cons-Brochure-v-2.pdf>

<https://campscui.active.com/orgs/WingspanArts?orglink=camps-registration>

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## **Opportunity Lists and Resources:**

### **Virtual Field Trips**

“All students can choose from more than 100 free virtual field trips! Visit extraordinary people and places, remarkable events in history, and fascinating topics! From animals to aerospace, NYC’s water supply to national parks, honeybees to hip-hop, presidential campaign ads to the Pacific garbage patch, explore the streets of New York and beyond. Dive deeper into movements of change and the inspiring individuals who led the way. Discover your passion and

feed your curiosity.”

**Eligible:** All students

**Dates:** Ongoing

**Cost:** Free

**Links:** <https://spep.libguides.com/VirtualFieldTrips/9-12>

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### **Scholarships:**

**Deadline Approaching:** 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**

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[https://www.scienceambassadorscholarship.org/?mc\\_cid=4ac875f05b&mc\\_eid=2f0e0bf1#intro](https://www.scienceambassadorscholarship.org/?mc_cid=4ac875f05b&mc_eid=2f0e0bf1#intro)

[https://www.scienceambassadorscholarship.org/?mc\\_cid=4ac875f05b&mc\\_eid=2f0e0bf1#faq](https://www.scienceambassadorscholarship.org/?mc_cid=4ac875f05b&mc_eid=2f0e0bf1#faq)

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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/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](mailto: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](mailto: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**