

2026 Student Summer Research Opportunities

Dear Parents and Students,

The time has arrived to review plans for Summer 2026!

Participation in a summer research program is not mandatory but is encouraged. These enriching pre-college experiences provide exceptional opportunities for students to develop advanced research skills, explore potential career paths, and build strong foundations for success in national competitions.

Below is a comprehensive list of research programs. Many POB students have successfully participated in these selective opportunities in past years. Please note that each program is unique: some are free or offer stipends, while others charge tuition. Although we have included the most up-to-date information available, students are responsible for verifying all deadlines and requirements directly on the official program websites before applying.

For competitive summer research opportunities, remember that “the early bird catches the worm.” The most prestigious programs typically have application deadlines between January and March. We are here to help you explore your options, discuss program fit, and assist with the application as needed.

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National Lab Programs:

Brookhaven National Labs - High School Research Program (HSRP) is an advanced HS program in which students are paired with a BNL scientist. The BNL scientist mentors the student on a research project during a six-week summer session. Students must arrange their own housing/transportation. This is recommended for students that have completed 11th grade, and must not be younger than 15 at the start of the program. Due to BNL safety regulations, students

under the age of 18 may not be allowed to perform certain tasks. Students must be available for the duration of the program, Monday to Friday, 8:30 AM - 5:00 PM. Students must be a United States Citizen or Permanent Resident Alien (PRA) at the time of applying. PRA's must hold an active United States Permanent Resident Card. Very competitive. **Application opens: January 12, 2026** <https://www.bnl.gov/education/programs/program.php?q=219>

Brookhaven National Labs STEM-Prep Summer Institute (SPSI) - A four-week summer enrichment program for students currently enrolled in 9th grade and belong to an under-represented minority group. The program is open to students from Nassau or Suffolk County schools. This program takes place at Brookhaven National Laboratory. **Applications will open February 2026**

<https://www.bnl.gov/education/programs/program.php?q=227>

United States Government Programs:

National Heart Lung and Blood Institute: Summer Internship in Biomedical Research- The goal of the Summer Internship Program in Biomedical Research at NHLBI is to expose students to research investigation in a highly enriched environment that is devoted exclusively to biomedical research and training. The program is open to HS juniors. Participants join a research laboratory for a minimum of ten weeks, between June and August, and conduct research in selected areas of investigation under the guidance of an NHLBI intramural research scientist. **Rolling registration** – online application; complete asap as early applications are preferred; Funding for this program is not guaranteed each year. Please refer to the program website for current status.

<https://www.nhlbi.nih.gov/grants-and-training/training-and-career-development/summer-internship-program>

NIH - Summer Internships In Biomedical Research For Hs Students High School SIP (HS-SIP) provides an opportunity to spend a summer working at the NIH side-by-side with some of the leading scientists in the world, in an environment devoted exclusively to Biomedical Research. HS-SIP internships are a minimum of eight weeks. The NIH consists of the Mark O.

Hatfield Clinical Research Center and more than 1150 laboratories/research projects located on the main campus in Bethesda, MD and the surrounding area, as well as in Baltimore and Frederick, MD; Research Triangle. Funding for this program is not guaranteed each year. Please refer to the program website for current status.

<https://www.nhlbi.nih.gov/grants-and-training/training-and-career-development/high-school-and-undergraduate-students>

NSA and NSF: The GenCyber program provides summer cybersecurity camp experiences for students and teachers at the K-12 level. The goals of the program are to help all students understand correct and safe online behavior, increase interest in cybersecurity careers and increase diversity in the cybersecurity workforce in the U.S., as well as improve teaching methods for delivering cybersecurity content in K-12 computer science curricula. GenCyber's mission is to grow the number of students studying cybersecurity in the United States. The program includes summer camps across the nation designed for elementary, middle, and high school students and teachers. The camps focus on engaging the learners with sound cybersecurity principles and teaching techniques. GenCyber camps are open to all student and teacher participants at no cost.

<https://www.gen-cyber.com/camps/>

The Air Force Research Laboratory (AFRL) Scholars Program offers stipend-paid internship opportunities for upper-level high school students. Select locations also offer internships to university students pursuing education-related degrees and K–12 professional educators. The selected interns gain valuable hands-on experiences working with full-time AFRL scientists and engineers on cutting-edge Research and Technology and are able to contribute to unique, research-based projects. <https://afrlscholars.usra.edu/>

NASA STEM Enhancement in Earth and Space Science Internship NASA, Texas Space Grant Consortium, and The University of Texas at Austin Center for Space Research Summer Intern Program is a nationally competitive STEM program for high school students. The program provides selected students with exposure to Earth and space research. Interns will learn how to interpret NASA satellite data while working with scientists and engineers in their chosen area of work. We are offering summer internships to motivated HS school students who have an interest in pursuing STEM careers. The interns will work beside CSR scientists analyzing and

visualizing data. This content knowledge, coupled with hands-on experiences, allows the intern to gain experience in authentic NASA research through field investigation and data analysis. This summer TSGC and UT/CSR will support a summer intern program where interns will work remotely prior to their on-site internship **The deadline for submitting your application for the summer 2026 internship program is February 22, 2026.**

<https://www.csr.utexas.edu/education-outreach/high-school-internships/sees/>

Private University Programs

Summer Visiting Scholar Program Feinstein Institute for Medical Research (NY) -Last year's info: All students who are interested in a Research internship during the summer or school year should review research focus areas described on the Feinstein Institute website and identify the investigator with whom they would like to work. Each investigator's web page also gives contact information for the scientist who heads the lab. Contact the scientists directly, provide your resume or school transcript, and email them. Students who are accepted will be contacted by a Feinstein administration in early March to arrange all required paperwork. Please note that mentored summer internships are highly competitive. Students must be at least 16 years of age. This program requires a full eight-week commitment. Students need to be at least 16 years of age before July 1; **Applications are due before January 23, 2026.**

<https://feinstein.northwell.edu/education/summer-student-intern-program>

The Rockefeller University's Summer Science Research Program (SSRP) (NY) is designed to offer intellectually curious, highly-motivated high school students, with a strong aptitude in the life or physical sciences, a total-immersion experience in laboratory research. Students are matched to a lab according to their stated field of interest and are individually mentored by graduate students, post-doctoral fellows, or lab heads. These mentors volunteer to design and supervise individualized summer projects for their students. Students must be 16 years old by the start date of the program in order to participate. **Applications are due on Monday, January 2, 2026.** <https://www.rockefeller.edu/outreach/ssrp/>

Simons Summer Research Program at Stony Brook University-(NY) Last year's info: Simons

Fellows are matched with Stony Brook faculty mentors, join a research group or team, and assume responsibility for a project. Simons Fellows attend weekly faculty research talks as well as participate in special workshops, tours, and events. Participants may elect to live on campus with other student researchers or they can choose to commute. For eligibility, students must be interested in science, and have demonstrated independence, creativity and an aptitude for doing hands-on work. Applicants must be in their junior year (11th grade) of HS (no exceptions); must be United States Citizens and/or Permanent Residents; and must be at least 16 years of age by the start of the program. Preference is given to students who have a Stony Brook mentor and/or have prior summer research experience. Program: late June–Aug. Each high school may nominate three students. **Application deadline February 5th, 2026**

<https://www.stonybrook.edu/commcms/simons/about/about.php>

Research Science Institute (RSI) at MIT (MA)– *Extremely Competitive!!*

The Research Science Institute (RSI) is an elite opportunity for anyone interested in challenging themselves personally and academically. The RSI is held over the summer (six- week summer residential) at the campus of the MIT in Cambridge.

<https://www.cee.org/programs/research-science-institute-rsi/rsi-application-faqs>

Michigan State: The HS Honors Science/Mathematics/Engineering Program

(HSHSP)–(MI) A seven-week, intensive summer research program designed for motivated juniors from across the United States who wish to gain more experience conducting research. Its goals are not only to educate individuals about the research process but to provide the right kind of social context for such knowledge and expertise to flourish. Very competitive and successful. here will be no HSHSP taking place in the summer of

2026. <https://education.msu.edu/hshsp>

The Jackson Laboratory, Bar Harbor, Maine– Admission is competitive and students of all backgrounds are selected. All students receive a stipend of \$7,000 for the 10-week program, including room and board at High Seas (Maine program) or at the University of St. Joseph's (Connecticut program). The cost of round-trip travel between the student's home and the Laboratory is also provided. The program runs from early June and requires discussion with Guidance Counselors about Regents exams. **Applications Due: January 26, 2026**

<https://www.jax.org/education-and-learning/high-school-students-and-undergraduates/learn-earn-and-explore/admission>

Roswell Park Cancer Institute Summer Research Program (NY)- Roswell Park Cancer Institute offers summer research experiences to students who have completed their junior year of HS. This is a competitive program designed for talented HS students throughout the country. There is no charge for this program, which runs from June 26 - August 7, 2026. Housing is provided at a nearby dormitory at approximately \$30 per night (\$1470 total). Admitted students must be present for the entire seven-week program. Juniors who meet program eligibility criteria **AND** who are from minorities that are under-represented in the Science and medical profession (as defined by the NIH) can receive a stipend. Application fee: \$35 (non-refundable).

Application due: January 2, 2026

<https://www.roswellpark.org/education/high-school-undergrad/high-school-summer-research-program>

The Summer Science Program (SSP) in Celestial Mechanics or BioChemistry (CO + NM)- a five-week residential program for 36 rising HS seniors who complete a challenging, hands-on research project in celestial mechanics. By day, students learn college-level Astronomy, Physics, Calculus, and Programming. By night, working in teams of three, they take a series of telescopic observations of a near-earth asteroid, and write software to convert those observations into a prediction of the asteroid's orbit around the sun. Open to HS juniors, at least 15 years of age, who are now taking calculus or Pre-calculus. Sophomores may also apply but only if already taking Calculus. SSP takes place on the campus of University of Colorado and New Mexico Institute of Technology. Assuming typical expenses and assets, the Summer Science Program is free for participants with a family income of \$75,000 or less, and participants with a family income under approximately \$140,000 will qualify for a discount. We also offer stipends of \$3,000 in addition to free admission for select participants that would otherwise need to work over the summer. **Application opens December and closes Friday, February 19, 2026** . <https://ssp.org/application/>

Boston University Research Internship in Science and Engineering (RISE)- The Research Internship in Science & Engineering provides academically motivated juniors with the opportunity to conduct university-level research in state-of-the-art laboratories, alongside some

of the sharpest scientific minds in the country. This six-week honors program provides full immersion in the laboratory environment. Under the guidance of a Boston University research mentor, students work on a new or ongoing research project in a discipline of their interest, gaining valuable technical and analytical skills, as well as insight into the scientific process.

JUNIORS only. Application due February 1, 2026

<https://www.bu.edu/summer/high-school-programs/rise-internship-practicum/how-to-apply/>

NYU GSTEM- is a six-week summer program for HS girls who have high aptitude in STEM subjects. Students will have the opportunity to receive mentoring from STEM professionals, as well as participate in activities such as classes, lectures, and field trips. Students will live at home and commute to internship sites for four and a half weeks. They will work on a small project alongside researchers, produce a brief paper about their work, and deliver a short oral presentation to their peers. Current HS juniors who believe they would perform well in this rich, but rigorous environment, are invited to apply. Tuition for the six-week G-STEM Program is \$5,750, which covers all participant costs, including travel, meals, field trips, and program materials. **Priority Application opens: February 1, 2022. Final application deadline: March 1.** <https://wp.nyu.edu/gstem/about-us/>

Garcia Center Summer Scholar Research Program at Stony Brook (NY)-Students spend the summer performing investigations in Biochemistry, Material Science, Polymer Chemistry, and Physics. The eight-week research experience involves the cost of materials (\$4000.) Students can reside on campus for an additional cost or can commute. Must be at least 16 by program start date and be extremely competitive!!! Make sure to read application rules carefully. Registration fee \$50. **Application deadline: February 23rd, 2026**
https://www.stonybrook.edu/commcms/garcia/summer_program/apply

Rensselaer Polytechnic Institute STEAMM Inventor's Studio (RPI) (NY)- An opportunity for 10th and 11th grade students to spend the summer at RPI, near Albany, performing Material Science, Environmental, and Bio-Chemical Research in their labs. This is a four-week residential program. Rensselaer faculty work to provide HS students the unique opportunity to actively learn about conducting research and learn some new skills specific to their assigned research group. They will work alongside an assigned faculty mentor, graduate, and undergraduate students. Cost approximately \$1250. **Application available in January and deadline April 15. Rolling**

Admissions to apply early!!

<https://pre-college.admissions.rpi.edu/summerrensselaer/steamm-inventors-studio>

Hofstra University Summer Science Research Program (NY)- This program gives HS sophomores and juniors the opportunity to work with Hofstra University faculty to conduct Science and Mathematics research. Selection for entrance into this program is selective and is based on HS science experience, a personal interview, and the HS teacher's recommendation. Tuition fee of \$2,250 Application fee \$65. **Application deadline: January 12, 2026**

https://admission.hofstra.edu/register/hussrp?_ga=2.267261324.327003358.1735222946-1627299381.1735222946

Ross Mathematics Program at Ohio State University- (mid June to late July, 2022) an intensive summer experience designed to encourage motivated pre-college students to explore mathematics. During those eight weeks, students are immersed in a world of mathematical discovery. Ambitious pre-college students with interests in mathematics and science are invited to apply. First-year students range in age from 15 to 18 years old (rare cases, younger and older students accepted). Admission decisions are based on several criteria including: the applicant's work on some challenging math problems, essays concerning the applicant's interests and goals, teacher recommendations, and school transcripts. Fees for this program are determined by the cost of six weeks of room and board. The room and board fee is approximately \$5000 (financial aid available and encouraged) ****very competitive! Applications for the 2026 session will be available in mid-January. Rolling admissions begin in March. The final deadline is April 1, 2026.

<https://rossprogram.org>

The Research Mentorship Program at UC Santa Barbara is a competitive, six-week summer program that engages qualified, high-achieving HS students from all over the world in interdisciplinary, hands-on, university-level research. Students will be paired up with a mentor (graduate student, postdoctorate, or faculty) and choose a research project from a large list of disciplines offered by the program each year. Along with these academic benefits, the students will be immersed in university life and networked with equally ambitious and curious peers. Application Fee: \$75.00. The six-week program is \$13,274; scholarships are available. Program Dates: June 15 – July 31, 2026 . Application opens December 15, 2026 (rolling admission).

<https://www.summer.ucsb.edu/pre-college/research-mentorship-program-rmp>

College of Natural Sciences Summer HS Research Academy at University of Texas, Austin

Minimum of five weeks (Exact dates TBA, typically June–August). Participants join researchers and become members of a research team. The participants will see how research works by being directly involved in research projects on the UT-Austin campus. To be eligible for participation, students must be 15 years or older and be either a junior or senior in the upcoming school year.

The HS Research Academy is NOT a residential program, and we do not provide housing or transportation for the participants. Each student will be paired with a lab based on the student's interests and lab availability. The Summer cost is about **\$4,000 per student**. Application: Opens January 2026.

<https://cns.utexas.edu/tides/k-12/high-school-summer-research-academy>

Summer Pre-College at UMass Amherst -

Last Year's Information: Session 1: One-week Research Intensives: July 1 - July 28; six-week Research Intensives: July 1st - August 11th in Biology, Chemistry, Food Science and Psychology. Our competitive six-week summer Research Intensives program places high-achieving HS students in professional working labs alongside distinguished faculty, graduate and undergraduate students in state-of-the-art labs. We offer placements in Biology, Biochemistry, Psychology and Food Sciences. Students eligible to apply should have grades of B or above in mathematics and science courses as well as an interest in majoring in the biological Sciences. Applicants should indicate their top lab choices and reason for interest in the personal statement portion of the application. Price includes room and board - \$7400. One- and two-week courses on Pre-Veterinary Medicine, Sustainable Tree Care, Genetic Engineering and GMOs, Business, Evolution, Equine Management, Forensic Anthropology, Music and Technology, and much more.

Applications available in January. **<https://www.umass.edu/summer/programs/academic-programs>**

Summer Science and Engineering Program (SSEP)(NY)- at Smith College is a residential program for 100 exceptional young women (grades nine – 12) with strong interests in science, engineering, and medicine. Each July, select HS students from across the country and abroad come to Smith College to do hands-on research with Smith faculty in the life and physical sciences and in engineering. Different fees for programs. Dates: July 5 – August 1, 2026. Application Opens January 10, 2026. Application fee: \$50. Priority Application deadline and financial aid due: March. Fee of \$6900. Covers all expenses. Financial Aid available.

<https://www.smith.edu/academics/precollege-programs/ssep>

Einstein-Montefiore Summer HS Research Program (NY)

Full summer program. Daily work hours 9:00 AM - 5:00 or 6:00 PM. Your attendance will also be required at all the special activities, including faculty seminars. If this full-time schedule does not work well with your plans or your family's plans for the summer, you may apply for next summer. Must be at least 16 years old by program start date. Students must be entering the 11th or 12th grade. Participants must be able to travel to and from the college. **No housing is provided**. The application deadline is in April.

<http://www.einstein.yu.edu/education/phd/summer-hs-research-program.aspx>

The Secondary Student Training Program (SSTP) at the University of Iowa A unique five and a half week research experience for highly capable students in grades 10 and 11. Participants conduct scientific research under the guidance of a faculty mentor. Students spend approximately 40 hours a week working in labs on The University of Iowa campus. The University of Iowa's Colleges of Dentistry, Astrophysics, Engineering, Liberal Arts and Sciences, Medicine, Pharmacy, Public Health, and the Graduate College have all participated in the program in past years. All application materials, including the \$50 application fee, must be **submitted by February 16, 2026**. The 2026 program dates are On-Campus: June 21 – July 31, 2026

<https://belinblank.education.uiowa.edu/students/sstp/>

Rhode Island School of Design Pre-College -

Six-week program; students live in RISD residence halls. Architecture - Students profit from the dynamic relationship between learning basic architectural concepts and physically employing them in the construction of prototypes. As an introductory architectural design studio, important architectural principles are presented through studio exercises, slide lectures and demonstrations. Students implement these principles through both drawing and model-building to develop an understanding of scale, form and spatial relationships. This intense study provides the framework for the process of analysis and synthesis that is critical to further architectural pursuits. \$60 Application fee. Residential Cost: \$12,495 (Includes tuition, room, and board). Scholarship **Application deadline: February**. Summer 2026 dates June 27 – August 1, 2026

<https://precollege.risd.edu/academics/>

Pratt Institute's Pre-College program (Architecture/ Industrial Design) (NY)- welcomes HS sophomores, juniors to our Brooklyn campus for nearly a month, where they encounter life as an art and design college student. Students choose an elective focus or major modeled after Pratt's undergraduate offerings. To complement this chosen elective, students are automatically enrolled in foundation, art history, and portfolio development classes. Must be 16 by the end of June to apply. Upon completion of the program, students earn four elective college credits. Tuition: \$4,285; \$50 application fee. **Application deadline: Feb 1 2026.** Program Dates: (July 6 – July 30, 2026)

<https://www.pratt.edu/academics/continuing-education-and-professional/precollege/summer-programs/curriculum/>

Penn Engineering – Summer Academy in Applied Science and Technology (SAAST) The School of Engineering at the University of Pennsylvania offers a unique opportunity for a selective group of highly motivated and talented HS students to experience rigorous and challenging college-level coursework. The Academy's intensive, three-week programs combine sophisticated theory with hands-on practical experience in cutting edge technologies such as biotechnology, computer graphics, computer science, nanotechnology, robotics, or engineering complex networks. Priority **application due Jan 31, 2026, final application February 28th, 2026.** Summer 2026 dates *July 12 – July 31, 2026* <https://esap.seas.upenn.edu/>

Architecture: Summer at Penn - University of Pennsylvania- Day & Residential Program This program is based on the approach in University of Pennsylvania's Undergraduate Architecture program. You are encouraged to develop a unique creative process as you learn specific architectural design skills. Working with UPenn faculty, you will experiment with different techniques and design tools. Offered by the University of Pennsylvania School of Design, the summer architecture program for HS students prepares you for college admissions as you experience college life and create your portfolio. You will experiment with different disciplines, learn new skills, and use the city of Philadelphia's historic and modern architecture for inspiration. The courses are similar to those offered by the University of Pennsylvania Architecture Program, but are sequenced and paced for the age and experience of HS students. Open to grades 9 -12. Program costs: \$6675. Application fee: \$75.00. The program is from July 11 – July 25, 2026. Rolling admissions begin in November and the final date to apply is March 31, 2026. <https://jkcp.com/program/architecture-summer-at-penn>

Cooper Union Summer Research Internship Program Cooper Union's Albert Nerken

School of Engineering (NY) offers six-week Summer Research Internship Programs for students completing their 10th grade year of HS. Students work on applied research projects in the fields of civil, chemical, electrical, mechanical, biomedical and environmental engineering, mathematics, chemistry, physics and astronomy. Applications/information will become available soon. Price: \$3500 (with non-refundable \$55 application fee) Program dates July 6 – August 13, 2026. Application Deadline: TBD Check for 2026 dates/info.

<https://cooper.edu/engineering/summer-stem>

iResearch Institute HS Science Research Camp (NY)

This four-week summer HS science research program is designed to fully immerse students into independent science research methods and to complete a full research investigation/experiment which can be submitted to competitions. Open to rising grade nine and 10 students only. Labs are located within Nassau Community College in Garden City, NY. **Applications due February 27, 2026.** The program will be held virtually from June 22 – July 24, 2026 Cost approx \$6,978 (Includes project mentoring). <http://iresearchinstitute.com/>

Texas State University Honors Summer Math Camp – Very successful and competitive! Texas

Mathworks is a center for innovation in mathematics education at Texas State University, San Marcos, TX. Students advanced in math can apply following ninth grade; \$6,600; six weeks.

Admission is on a rolling basis, apply ASAP!! Applications will open in December and close in April. Program dates: June 21 – August 1, 2026

<https://www.txst.edu/mathworks/mathworks-camps/hsmc.html>

The International Summer School for young Physicists (CANADA)- ISSYP is an exciting and

challenging two-week program for Canadian and international high school students with a keen interest in theoretical physics who intend to pursue physics at the university level. Students will attend the program at Perimeter Institute's award-winning facility located in Waterloo, Ontario. Students are supervised by Outreach staff. Application information for ISSYP available Opens Late December 2025. Deadline: Typically Late March 2026. Must be 16 and have completed physics. Cost is \$250 CAD plus travel costs.

<https://perimeterinstitute.ca/news/young-physicists-find-their-community-at-international-summer-school>

Stony Brook (NY) Lab Techniques in Biotechnology -

The goal in this program is to introduce motivated high school students to the techniques and equipment used in modern biotechnology research to establish a strong foundation for future research endeavors. Students must complete ninth grade by June 2026 in order to participate. Multiple Sessions: June 28–July 3, July 5–10 Application: Opens Early January 2026.

Application deadline: May 1, 2026. Cost: \$700

https://www.stonybrook.edu/commcms/istem/students/grades_5-12/summer/Techniques_Equipment.php

Engineer Summer Camp at Stony Brook University (NY)

The goal of this one-week program is to introduce students to electrical engineering and also to computer programming. No background in programming, physics, or advanced mathematics is necessary. Program dates: July 13 – 17, 2026 – Projected. **Application due on May 1 2026.** Cost

: \$800 On campus housing available

https://www.stonybrook.edu/commcms/istem/students/grades_5-12/summer/engineering.php

Oceanography Course - Marine Sciences Camp at Stony Brook, Southampton NY

Students examine the ocean and the chemical, geological, and physical processes that control its major features and the life that inhabits it, as well as explore human interactions with the marine environment. The short-term course will run for two weeks and meet for four to five hours each weekday. Content will be delivered via lectures, in-class activities, and two boat trips in which students will explore nearby coastal habitats using oceanographic sampling equipment. Students must have completed HS biology and be at least 16 years old. Enrollment begins in March. Dates: July 6 – July 17, 2026 – Projected Estimated costs are approximately \$1100 for three credits, in-state tuition and optional \$1,180 for 13 days of room and board.

https://www.stonybrook.edu/commcms/southampton/sea/marine_mar104summer

Johns Hopkins University Engineering Innovation (EI), Baltimore MD- Following a program developed by Johns Hopkins University, students aged 16-18 apply their knowledge of math and science to hands-on projects and laboratory work pertaining to engineering over a four-week

period. In addition to the residential and day program at Johns Hopkins, Engineering Innovation operates comparable day sessions at locations across the country. Applicants should have spreadsheet knowledge, as well as experience with Lab Science, Algebra II and Trigonometry. Residential Fee is \$10,000, and commuter price is \$4235. June 29 – July 24, 2026 Deadlines begin in January. Admissions decisions made on rolling basis; apply as soon as possible (applications open on December, \$85 application fee) <https://ei.jhu.edu/about-ei/what-is-ei/>

Stanford University Mathematics Camp (SUMaC) in Stanford, CA- SUMaC's four-week residential program is held on Stanford University's campus. Two courses – Program I and Program II – are taught during this time, with participants taking one or the other, but not both. This allows students who are math enthusiasts the opportunity to participate in SUMaC over two succeeding summers. This course enrolls mathematically motivated HS students having completed sophomore year (aged 15 -17) who are interested in exploring advanced math topics over the summer. The program includes the following: an intensive course in higher math, a guided research project allowing pupils to pursue a focused and course-related area of interest, a series of guest lectures, group problem solving and one-on-one tutoring, and social events and outings. Tuition approximately \$8,250. June 21 – July 17, 2026 **Application Deadline: February 2, 2026.**

<https://sumac.spcs.stanford.edu/>

HOPP Summer Student Research Program at Memorial Sloan Kettering Cancer Center

(NY)- The Human Oncology and Pathogenesis Program (HOPP) Summer Student Program is designed for HS students who are interested in pursuing careers in the biomedical sciences. If you are in ninth - 12th grade and are interested in science, our eight-week summer program offers an opportunity to work in a state-of-the-art laboratory facility and explore the kinds of questions that researchers are asking today. Students must maintain a 3.5 GPA in the sciences to be eligible to apply. Students receive a stipend upon completion of the program to offset commuting costs. Late June – Mid-August 2026 Opened December 1, 2025. **Application Deadline: February 6, 2026 8AM**

<https://www.mskcc.org/education-training/summer-student>

Michigan Math and Science Scholars at University of Michigan - a two-week residential program designed to introduce HS students to current developments and research in the sciences

and to encourage the next generation of researchers to develop and retain a love of mathematics and science. Applications open in January; apply early. Cost \$2,400 (Tuition + Room/Board). depending on the amount of sessions. There is also a \$100 non-refundable application fee. 3 Sessions: June 21–July 3; July 5–17; July 19–31

<https://sites.lsa.umich.edu/mmss/>

Tufts University Adventures in Veterinary Medicine, N Grafton, MA This two-week academic career exploration program allows boys and girls to learn about veterinary school and consider alternatives within the veterinary profession. Students spend about half the day attending lecture-style classes, the other half involved in hands-on activities. AVM offers separate middle school (entering grades eight and nine; day only), and HS (residential 10th grade and up). Residential — Co-ed Ages 15-18; fee \$4150. Application: Opened December 8, 2025. Decisions released starting February 1, 2026

<https://vet.tufts.edu/adventures-veterinary-medicine-avm>

HS Engineering Institute (HSEI) at Michigan State University – Students spend a week exploring engineering through lecture, lab and design sessions run by faculty and student assistants from our various programs. For rising high school sophomores, juniors, and seniors students seriously considering engineering as their career choice, this residential program is designed to give in-depth experiences in engineering majors. Each day students will learn about a major and spend time with an engineering faculty member, a graduate student, an undergraduate student engaged in short lectures, demonstrations, hands-on experiments, team-based problem solving, and tours; \$1,099. This is a co-ed program open to both U.S. and International students entering grades 10th-12th in Fall. Applications open in January - rolling basis. Program dates:(4 Sessions: June 14–18; June 21–25; July 5–9; July 12–16)

<https://spartanyouth.msu.edu/Resource.aspx?ResourceID=5>

Cold Spring Harbor DNA Learning Center (NY) Student summer day camps are week-long genetic workshops for students from middle school through 12th grade. Recommended Courses: DNA Science (foundation course) followed by Silencing Genomes. Also two week course Barcoding Long Island (BLI) Cost: \$700 one week, \$1400 for two weeks. Typically opens in February/March 2026. Programs are popular and fill quickly. No Housing.

<https://summercamps.dnalc.org/dnalc-csh/>

Brown University: Summer@Brown (RI) STEM for Rising Ninth and 10th Graders - Students whose idea of summer fun is a deep-dive into the STEM fields, joining other rising ninth and 10th graders who are as passionate about advancing their STEM skills as they are. Look for courses that teach scientific, biotechnology, computer skills and provide hands-on work. Apply early, courses close quickly! Cost (2-Week Residential): \$6,052 (Tuition, Housing, Fees). Cost (1-Week On-Campus): \$3,748.; Early Application: Friday, January 14, 2022 (classes fill)
Programs dates: Multiple sessions from late June – late July/early August
<https://precollege.brown.edu/programs/summerbrown>

John Hopkins Center for Talented Youth (MD) – Intensive Studies and Academic Explorations (Grades seven -12) - residential, exam required. CTY offers residential programs for qualified students who have completed grades seven and above. Testing Required. Deadline last year was January 20th; Fees: Range by program length and type (residential costs are high, typically over \$6,000 for three weeks Session 1: Late June; Session 2: July 19 – August 7
<https://cty.jhu.edu/>

Biotechnology SummerLab at Boston University- SummerLab is a week-long summer program for students entering grades 10 – 12. It offers the opportunity to design and carry out investigations in biotechnology. \$1800 for one week, Also, CityLab Summer Apprenticeship: Selected Scholars work in the CityLab laboratory at Boston University School of Medicine. Science Fair Projects: during the spring semester the laboratory is available for students to conduct independent projects. Applications and schedule information will be posted in January 2026
<https://www.bumc.bu.edu/citylab/summerlab/>

Boston University Mathematics Department - PROMYS: Program in Mathematics for Young Scientists PROMYS is a six-week residential summer program at Boston University designed to encourage strongly motivated high school students to explore in-depth the creative world of mathematics in a supportive community of peers, counselors, research mathematicians, and visiting scientists. Grade level: Students ages 14 and up, who have completed ninth, 10th, 11th, or 12th by June. Tuition: \$6,100 (Estimate based on 2025). Note: FREE for domestic students whose

families make under \$80,000/year. **Application deadline: March 2026.** Program dates: June 28 – August 8, 2026

<https://promys.org/programs/promys/for-students/>

AwesomeMath Summer Program- (Varied locations and dates) A three-week intensive summer camp for mathematically gifted students from around the globe. An initiative in response to parents and teachers of bright students who have not yet shone at the Olympiad level, as well as of those who would like to expand what they have learned in programs such as MATHCOUNTS. These talented students wish to hone their problem solving skills in particular and further their mathematics education in general. Many of our participants seek to improve their performance on contests such as AMC 10/12, AIME, or USAMO. Cornell University, two different session options. Application now open-apply early! Online Tuition (Per Course): \$1,275 – \$1,575 (depending on enrollment date). Application: Opened December 15, 2025. Early enrollment deadline: January 29, 2026. Program Dates: Multiple sessions/locations

<https://www.awesomemath.org/summer-program/overview/program-information/>

Davidson THINK Summer Institute (NV)- Gifted students interested in a challenging academic summer program should consider attending the Davidson THINK Summer Institute on the campus of the University of Nevada, Reno. This intense three-week residential summer program offers exceptionally gifted 13- to 16-year-old students the opportunity to earn up to six transferable college credits. Requires SAT/ACT score. Program dates: Projected July 10 – July 30, 2026 . Applications open December, and close in late March. Course placement is first-come first-served so apply early. Tuition is \$4,050 including a \$50 application fee.

<https://www.davidsongifted.org/think-summer>

EXPLO – Yale University (CT): A Time to Explore-This is your time: to explore, to try, to maybe succeed, and to try again. A summer at Explo will expand your realm of thinking, of trying, of doing — and foster a renewed love and passion for learning. During weekend trips to Broadway shows, New York Yankee games, and New England beaches, you'll see things and have experiences unlike anything you've ever done before. With more than 90 course offerings (ranging from behavioral psychology and video production to biomedical ethics and business management), you can pursue an interest or try something completely new. 2026 pricing).

Application: Opened Fall 2025. Financial aid application deadline: April 1, 2026. Session one is late June - mid July . Session two is mid July to early August . Tuition is \$6,800 (three weeks) for one session; \$6,295 for two (six weeks). Financial aid is available

<https://www.explo.org/exploration/explo-at-yale/>

Boston Leadership Institute- Summer science programs named among top five in U.S.

Award-winning residential research programs in fields like Biological Research, Neuroscience, Forensics, and Biomedical Engineering. Programs are intensive, hands-on, and portfolio-building. Cost (3-Week): Approx. \$6,500 – \$7,500 (Residential). Cost (1-Week): Approx. \$2,100 (Residential). Application: Open now. Rolling admission; check website for early admission deadlines.

<https://www.bostonleadershipinstitute.com/>

The Summer Pre-College Architecture program at Carnegie Mellon (PA) is designed to provide students with a strong foundation of skills and a clear idea of what to expect from a college-level accredited program in architecture. The integrated and diverse mix of seminar courses, digital design and drawing workshops, and the core design studio, introduces students to the theory, process, and methodology of contemporary design practice. June 20 – July 25, 2026 Residential Cost: \$10,744. Commuter Cost: \$8,253. App Fee: \$50. Early Deadline (for scholarships): February 1, 2026. Final Deadline: March 1, 2026.

<https://www.architecture.cmu.edu/architecture-explorations>

NYIT: Summer Technology & Engineering Experience or Maker/Fabricators -

Two-week Career Discovery Experience in Technology and Engineering at NYIT's Manhattan or Old Westbury campus. This fun and informative two college credit program will provide insight into the very essence of these

stimulating professions. For starters, you will run a number of guided, hands-on laboratory experiments in electronic music, coding, gaming, hacking, robotics, 3D printing, CAD, prototyping, materials science and nanotechnology. Dates: TBA

<https://www.nyit.edu/academics/engineering-and-computing-sciences/about/pre-college-workshop/high-school-summer-maker-academy/>

Girls who CODE- Campus Program – Recommended for current ninth grade girls - The two-week intensive courses, hosted on select school and university campuses, go deep on a range of topics from Website Design and Development, to Wearable Tech & Fashion Design and iPhone App Development. <https://girlswhocode.com/>

Girls who Code – Summer Immersion Program – Recommended for current sophomore girls. Free seven-week summer programs for current 10th-11th grade girls to learn coding and get exposure to technology jobs. Application available in January, decisions come in late spring/early summer. Cost (Campus): Varies, but typically a tuition fee. Cost (SIP): FREE, with a potential stipend. Application: Opens January 2026 for SIP. Highly competitive. <https://girlswhocode.com/>

Columbia Engineering Summer HS Academic Program for Engineers (SHAPE) (NY) is a selective summer program for rising HS sophomores. The program is geared toward local students who have demonstrated an interest in science, technology, engineering, and mathematics (STEM). Each three-week session offers college-level courses in robotics and computer science, which are complemented by electives in research skills and entrepreneurship, labs, and college preparation workshops. Session 1: July 6 – July 24; Session 2: July 27 – August 14, 2026 Commuter Cost: \$5,880 (Tuition + Fees). Residential Cost: \$10,705. Scholarship Priority Deadline: December 22, 2025. Final Application: Typically Late January/Early February 2026. **Application deadline: March 2, 2026**
<https://outreach.engineering.columbia.edu/content/shape-summer-high-school-academic-program-engineers>

Science and Research Awareness Series (SARAS) - NY

Stony Brook University - SARAS is a three-week lecture and workshop series designed to heighten the awareness of enthusiastic students for basic, clinical and translational sciences and associated specialties of the biomedical field. Cost: TBD (The 2025 cost was approx. \$1,500 – \$2,000, plus housing). Registration: Opens February 1, 2026. The program is competitive and often reaches capacity quickly.

<https://renaissance.stonybrookmedicine.edu/anesthesiology/saras>