

Summer, Pre-College and Academic Enrichment Programs for High School Students

Prepared by the Scripps College Academy (SCA)
Updated January 2021

About this Document

This is a list of enrichment programs that are free or may provide scholarship opportunities. The programs listed vary greatly in structure, focus, selection process, and location. Program dates provided, but may be sample dates, usually for the 2016 year in that case. Please check each program’s website carefully as dates are likely to change for each year.

A web address is provided for all programs, but if the address is incorrect, try searching online by program name.

These programs are NOT endorsed by SCA or by Scripps College. Further, the information provided, such as dates or cost, may have changed since this list was compiled. Before pursuing any program, interested students should talk with their family, teachers, and counselors, and contact program staff to obtain updated information.

Table of Contents

About this Document	1
General Pre-College Programs	4
Scripps College Academy Scholars.....	4
Pomona College Academy for Youth Success (PAYS).....	4
LEAD.....	5
HOPE Youth Leadership Program.....	5
RISE.....	5
George Washington University Pre-College Program.....	6
CYTT Summer Residence Program.....	6
Cornell University Summer College.....	6
Summer @ USC.....	6
Summer Focus at Berkeley.....	7
Carleton Liberal Arts Experience (CLAE).....	7
QuestBridge College Summer Program.....	7
NYU PreCollege.....	7
Barnard College Pre-College Programs.....	8
Summer Precollege Programs at Smith College.....	8
University of Maryland Young Scholars.....	8
CLYLP Sacramento Leadership Conference.....	8
Upward Bound.....	9
Entrada Scholars Program.....	9
College Horizons.....	9
Leadership Seminars.....	10
Telluride Association Summer Program (TASP).....	10
College Orientation Workshop (COW).....	10
Emory Pre-College Program.....	11
Ithaca College: Summer College.....	11
Junior State of America (JSA) Summer School.....	11

Engineering Programs	12
Summer Minority Engineering Training Program (SUMMET).....	12
PREFACE.....	12
MITE Academic Boot Camp.....	12
Summer Engineering Seminar (SES)	13
Minority Introduction to Engineering and Science (MITES).....	13
Explosives Camp.....	13
Summer Experience in Science and Engineering for Youth (SESEY).....	13
Women in Engineering: Exploring Engineering at the University of Maryland (E2@UMD)	14
PREFACE at Rensselaer Polytechnic Institute	14
Cosmos at University of California Irvine	14
Science, Math and Research Programs	15
NASA: Pre-College Internship.....	15
Scientific Discovery Program (SDP).....	15
Advanced Program in Technology and Science (APTS)	15
Arthritis Foundation Summer Science Internship Program.....	16
History of Life.....	16
COSMOS - California State Summer School for Math and Science.....	16
Eugene and Ruth Roberts Summer Student Academy.....	17
The Smith Summer Science and Engineering Program (SSEP)	17
SAMS: The Summer Academy for Mathematics + Science	17
Earthwatch Teen Expeditions.....	18
SMASH Summer Math and Science Honors Academy	18
Stanford EXPLORE: A Lecture Series on Biomedical Research.....	18
Stanford Medical Youth Science Program	18
Stanford University Mathematics Camp.....	19
National Youth Leadership	19
Project SEED	19
UC Davis Young Scholars Program	20
Business/Economics Programs	20
Katie School of Insurance and Financial Services Minority High School Scholars Actuarial Academy	20
The Riordan Scholars Program	20
Hispanic National Bar Foundation’s Future Latino Leaders Law Camp	21
Economics for Leaders Program	21
Writing Programs	21
Princeton University Summer Journalism Program	21
Art Programs	22
Pre-College Art and Design, The Pre-College Drama Program, The Pre-College Music Program	22
Summer of Art.....	22
The National High School Game Academy.....	22
Social Justice and Political Programs	23
DREAM Summer	23
Pathways Internship Program	23

Miscellaneous Programs and Resources	24
City Year, Washington D.C. (Americorps)	24
Student Historian Internship Program	24
Caroline D. Bradley Scholarship	24
Summer School at Syracuse	25
Yale Young Global Scholars	25
Enrichment Alley	25
Center for Student Opportunity College Center	25

Scripps College Academy Scholars

Grades: 10-12 (Students must apply during 10th grade)

Dates: Summer program July 12-23, year-round events

Application Deadline: April 1

Location: Scripps College Campus, Claremont, CA

Cost: NO Cost

Brief Description: The SCA Scholars program is a multi-year, intensive pre-college program for female students from the greater Los Angeles area and the Inland Empire. SCA Scholars participate in a rigorous summer residential experience followed by monthly events throughout high school. SCA focuses its recruitment on students who will be the first in their family to attend college and who may lack the resources in their home, school, or community to fully prepare to enroll in a top college or university. During the two-week virtual Summer Residential program students live among their peers and further their academic preparation by exploring issues of race, class, and gender through the four major areas of study (fine arts, humanities, natural sciences, and social sciences). Following the Summer Residential Program, SCA Scholars take part in additional events and activities throughout high school including book clubs, science research opportunities, SAT/ACT preparation classes, and field trips. As seniors, SCA Scholars receive individualized assistance in the college application process.

For more information, visit: <http://www.scrippscollege.edu/academy/>

Pomona College Academy for Youth Success (PAYS)

Grades: 9-12 (Students must apply during 9th grade)

Dates: Summer program June 20-July 23, year-round events

Application Deadline: February 26

Location: Pomona College Campus, Claremont, CA

Cost: NO Cost

Brief Description: An intensive virtual 4-week summer academic program that serves rising sophomores through rising seniors from groups traditionally under-represented in higher education—students from the Los Angeles area and the Inland Valley who are first in their family to attend college, those from low income families and those who are African American or Latina/o. PAYS scholars participate in two core faculty-taught courses, Math/Problem Solving and Critical Inquiry: Analysis and Writing, additional electives, and rising 12th graders are given the rare opportunity to work on a significant research project under the direction of a Pomona College faculty member. **For more information, visit:** <http://www.pomona.edu/administration/draper-center/pays/>

LEAD

Grades: 8, 9, 10, 11

Dates: Varies on program, check website for details. Generally, programs take place in June, July or August

Application Deadline: March 31

Location: Varies on program

Cost: Varies between \$800 and \$2,800 depending on program

Brief Description: We strive to address education access and excellence by establishing a cross-sector collaborative of corporate, government agency, higher education, and non-profit partnerships that focus on developing high potential youth of diverse backgrounds into high achievers and responsible leaders. LEAD accomplishes this mission by fostering a vibrant community for students to gain the skills, experience and encouragement they need to fulfill their educational and professional aspirations in the fields of business, engineering and computer science. LEAD offers virtual programs in Engineering, Business, Health Science and Computer Science.

For more information, visit: <http://www.leadprogram.org/>

HOPE Youth Leadership Program

Grades: 11

Dates: Depends on track, check website for details

Application Deadline: Check website for details

Location: Regional, LA and Sacramento

Cost: Program has no fee, but students are responsible for all travel costs, accommodation for Session IV Bakersfield, conference fees, and materials which amounts around \$1,000-\$1,500. This may not apply to virtual programs.

Brief Description: This virtual program is a statewide developmental program designed to prepare low-income, high school-age Latinas for a self-sufficient future that will allow for economic and political parity through a college education. The objectives of the HYLIP include college preparation, financial empowerment, enhanced civic participation, and the promotion of healthy living.

For more information, visit: : <http://www.latinas.org/>

RISE

Grades: 11, 12

Dates: In the past, the program for rising seniors has been July 17-20 and for first-time freshmen August 28-31. Check website for details. Application deadline March 4, 2019.

Application Deadline: Check website for details

Location: Cal-Poly Pomona, Pomona, CA

Cost: NO cost

Brief Description: RISE is a four-day three-night residential program for prospective, underrepresented first-time students during the month of August. RISE assists students and their families to become connected to the

university and its programs and services, making the transition to college easier. Rising seniors can apply as well as rising freshmen who have been accepted to and will be attending Cal-Poly Pomona. Please call admission's office for more information.

For more information, visit: <http://www.cpp.edu/cpprise/>

CYTT Summer Residence Program

Grades: 9, 10, 11, 12

Dates: TBD

Application Deadline: TBD

Location: USC Campus, Los Angeles, CA

Cost: \$750, reduced fee \$375

Brief Description: Students reside in a dormitory housing facility on the campus of the University of Southern California during this intensive week-long training program. Students attend daily training sessions taught by a dedicated staff of educators and college mentors who guide and evaluate their progress during each phase of training. They participate with other dynamic youth leaders in a variety of challenging activities designed to bolster their leadership, communication, and critical thinking skills.

For more information, visit: <http://www.theyoungcenter.com/CYTT.html>

Cornell University Summer College

Grades: 10, 11, 12

Dates: Varies by program; most are June 21-August 3

Application Deadline: May 17 - June 28; depends on progra,

Location: Cornell University Campus, Ithaca, NY

Cost: \$1,575 per credit

Brief Description: Three and six week virtual programs are available. Programs offered in architecture, art, business, college success, computer and information science, engineering, environmental studies, film, history and politics, hotel management, humanities, law and government, medicine, psychology, research and science, and veterinary medicine and animal science.

For more information, visit: <http://www.sce.cornell.edu/sc/index.php>

Summer @ USC

Grades: 10, 11, 12

Dates: Four-Week Session: June 14-July 9; Two-Week Session: June 14-June 25

Application Deadline: May 7

Location: USC Campus, Los Angeles, CA

Cost: Four-Week Session: \$5,985; Two-Week Session: \$3,060

Brief Description: Two to four week virtual programs available. Upon successful completion of the 4-week program, a student will receive 3 units of USC elective credit. There are programs in architecture, business, engineering, journalism, environmental studies, global studies, performing arts, pre-health/sciences, pre-law, visual arts, and writing.

For more information, visit: <https://summerprograms.usc.edu/>

Summer Focus at Berkeley

Grades: 11, 12

Dates: Session I: June 14-July 25; Session II: July 19- July 30 **Application Deadline:** No formal application deadline, based on availability **Location:** UC Berkeley, Berkeley, CA

Cost: Day Camp: \$1,195

Brief Description: Designed to provide a small-group learning environment for talented and motivated high school students who want to experience college life. Student attend a virtual UC Berkeley Summer Sessions class, receive support from our Education Unlimited program staff, tutoring as necessary, and have fun learning with other high schools students from around the United States and from other countries.

For more information, visit: <https://educationunlimited.com/>

Carleton Liberal Arts Experience (CLAE)

Grades: 10

Dates: July 12 to July 16

Application Deadline: April 12

Location: Carleton College, Northfield, Minnesota

Cost: NO cost

Brief Description: An inspiring virtual summer program designed for the best and brightest college-bound students representing high schools across the country. The Carleton Liberal Arts Experience (CLAE) will select 50 high school students who are current sophomores and bring them to Carleton, all expenses paid, for a one-week summer program. The CLAE program introduces the strengths of a liberal arts education through an array of courses in science, art, social sciences, and technology. In addition, workshops are offered to assist participants with their high school and college careers.

For more information, visit: <http://apps.carleton.edu/summer/clae/>

QuestBridge College Summer Program

Grades: 11

Dates: Varies by year

Application Deadline: March 24

Location: Varies

Cost: Varies

Brief Description: Many selective colleges offer summer programs for high school student. QuestBridge has partnered with Stanford, Yale, Emory, Penn, and more to offer students a unique opportunity to take college - level courses on a top-tier university campus while residing in a dormitory with peers from across the country. These scholarships offer outstanding low-income students a special chance to experience life beyond high school and to see first-hand what to expect from attending a selective university. Scholars also can use their application to apply to top colleges through the National College Match program their senior year as well as one-on-one college admission mentoring from Amherst College students. For more information, visit: <https://www.questbridge.org/high-school-students/college-prep-scholars>

NYU PreCollege

Grades: 11, 12

Dates: July 5-August 13 **Application Deadline:** Priority - April 1, Regular - June 24 **Location:** NYU Campus, NY, NY

Cost: 3 credits: \$5,260, 4 credits: \$6,868, 5 credits: \$8,476

Brief Description: Virtual college level courses for credit. The six-week program is one in which students live on campus, attend free writing workshops, start planning for college admission, experience student life. Scholarships are available.

For more information, visit: <http://www.nyu.edu/admissions/precollege.html>

Barnard College Pre-College Programs

Grades: 10, 11

Dates: Session I: June 27 - July 16; Session II: July 18- August 6

Application Deadline: April 15

Location: Barnard College, NY, NY

Cost: Courses: Tuition and fees - \$5,748; 3-week virtual institutions - \$3,125, Kode with Klossy - \$5,875

Brief Description: Barnard offers many different virtual summer programs covering subjects including writing, literature, art, theatre, film studies, psychology, computer science, architecture, religion, political science, leadership, gender studies, neuroscience, psychology, environmental science, and space exploration. All programs include field trips and activities around the city.

For more information, visit: www.barnard.edu/summer

Summer Precollege Programs at Smith College

Grades: 8, 9, 10, 11

Dates: vary by program, most start July 12

Application Deadline: March 1st for financial aid, general deadline is May 15

Location: Smith College, Northampton, MA

Cost: vary on program, \$3,995 - \$4,285 with \$50 application fee

Brief Description: Smith College offers 5 remote summer programs all focused on different topics including Science and Engineering, Writing, History, Sustainability, and Applying to College for high school girls.

For more information, visit: www.smith.edu/summer

University of Maryland Young Scholars

Grades: 10, 11, 12

Dates: July 11- 30

Application Deadline: June 1

Location: University of Maryland, College Park, MD

Cost: \$1,475

Brief Description: Online program targets rising juniors and seniors who have a strong academic record and a desire to excel to experience college life while earning three academic credits.

For more information, visit: <https://oes.umd.edu/young-scholars/>

CLYLP Sacramento Leadership Conference

Grades: 10, 11

Dates: Check the website for details. Estimated to be in June 2021

Application Deadline: Check the website for details. In the past, the deadline has been April 1

Location: California State University Sacramento, Sacramento, CA

Cost: NO cost

Brief Description: A virtual week-long leadership training conference in Sacramento, through which over approximately 3,000 of California's best and brightest high school students have been prepared for the many opportunities and challenges they face. Conference participants are housed on a university campus and attend powerful work-shops and seminars that will enhance leadership skills, academic preparedness, self-esteem, cultural awareness, and provide an understanding of state and local government.

For more information, visit: <http://clylp.org/programs/sacramento-leadership-conference.php>

Upward Bound

Grades: 9, 10, 11 from Bassett High School (La Puente), Garey High School (Pomona), El Monte High School, Mountain View High School (El Monte) and South El Monte High School

Dates: Varies, check website for details

Application Deadline: Bassett High School: February 24th, Garey High School: February 10th, El Monte High School: February 22nd, Mountain View High School: February 15th, and South El Monte High School: February 8

Location: Varies

Cost: NO cost

Brief Description: Upward Bound staff members recruit second semester ninth-graders from five local high schools to participate in a free six-week virtual summer program called Academic Frontiers that incorporates an intensive academic curriculum of math, chemistry and literature with academic enrichment activities, including computer science, dance, foreign language, SAT test preparation, study hall requirements (three hours per night), group recreation and cultural enrichment activities. After the 10th grade, participants must attend a second six-week summer program with either the Capitol Internship program at UC Davis or the La Jolla Science Project at UC San Diego.

For more information, visit: <https://www.hmc.edu/upward-bound/>

Entrada Scholars Program

Grades: 11, 12

Dates: July 12-August 8 **Application Deadline:** March 1 **Location:** Calvin College, Grand Rapids, Michigan

Cost: \$500 confirmation fee

Brief Description: The Entrada Scholars Program at Calvin College offers ethnic minority high school students a "gateway" to the future: the opportunity to experience college learning and living while earning college credit. Scholars are assigned an academic coach, a trained teacher who attends classes with them in the morning and leads a study period (academic coaching session) with the scholars following the class. Academic coaches model and teach scholars how to be successful in their specific course and in college.

For more information, visit: <https://calvin.edu/offices-services/pre-college-programs/programs/entrada/>

College Horizons

Grades: 10, 11

Dates: Varies, TBD

Application Deadline: TBD

Location: University of Michigan and Brown University

Cost: NO cost

Brief Description: A pre-college program for Native American high school students open to sophomores and juniors. Each summer students work with college admissions officers, college counselors, essay specialists, and other educators in a five-day “crash course” on the college application process.

For more information, visit: <http://www.collegehorizons.org/apply>

Leadership Seminars

Grades: 12

Dates: July 17-28

Application Deadline: Fee Waivers: January 25 , Application: February 19

Location: University of Notre Dame, Notre Dame, IN

Cost: \$50 application fee and \$150 confirmation fee. Transportation to/from Notre Dame will be paid for

Brief Description: The virtual Notre Dame Leadership Seminars invite diverse, highly creative rising high school seniors to explore and engage in a vibrant discourse with world-renowned Notre Dame Faculty. Through a series of integrated themes and experiences, students participate in intellectual discourse and discovery through the lens of Catholic social teaching.

For more information, visit: <http://precollege.nd.edu/leadership-seminars/>

College Orientation Workshop (COW)

Grades: 11, 12 (male students only)

Dates: June 27-July 24

Application Deadline: April 30

Location: The Virginia Military Institute (VMI) in Lexington, Virginia

Cost: \$4,500-\$5,000, may vary with online program

Brief Description: COW is a challenging virtual summer educational enrichment program, which prepares male minority high school rising juniors and seniors to achieve success during the remainder of their high school careers and beyond. This is done by cultivating confidence, greater self-esteem, a stronger work ethic, and a commitment to achieving success in spite of the many challenges facing them. Students are also encouraged to seek higher education, and the program helps prepare them for the varied demands of the college experience.

For more information, visit: <http://cow4life.org/>

Emory Pre-College Program

Grades:11, 12

Dates: Varies with programs. Application Deadline: Financial aid deadline:March 19th

Location: Emory University, Atlanta, Georgia

Cost: Varies from \$3,085 to \$6,782 (Scholarships available)

Brief Description: The Emory Pre-College Program is a virtual summer academic program for high school students. It gives college-bound rising juniors and rising seniors an exciting glimpse of academic and residential life at a top-ranked national university. High school students may explore topics with professors who are the leading experts in their fields, enroll in classes with college students, and earn transferable college credit. Two-week non-credit courses and six-week credit courses are available. Emory Pre-College students live together in a dorm on campus or within commuting distance with their families and participate in a variety of programs, activities, and excursions designed to prepare them for college life.

For more information, visit: <http://precollege.emory.edu/>

Ithaca College: Summer College

Grades: 11, 12

Dates: 5 week session: July 5 - August 6; Varies with programs **Application Deadline:** June 15

Location: Ithaca College, Ithaca, NY

Cost: \$2,895

Brief Description: The virtual five-week session fee includes three credits of Ithaca College undergraduate course tuition, two synchronous common hours each week on college- and community-related topics and select academic themes, access to IC Library remote resources, and IC and precollege-designated virtual community events. **For more information, visit:** <http://www.ithaca.edu/>

Junior State of America (JSA) Summer School

Grades: 11

Dates: Varies by location, check website for details

Application Deadline: Applications are rolling, but students should consider applying by April 1

Location: Georgetown, Stanford, University of Virginia, or Princeton

Cost: \$295

Brief Description: With virtual programs through three of the most prestigious universities in the world, Georgetown, Stanford and Princeton, the Junior Statesmen Summer School provides an advanced college curriculum, dynamic skills, based leadership activities, and inter active sessions with prominent politicians, journalists, academicians and other opinion leaders.

For more information, visit: <http://jsa.org/summer-programs/summer-school/>

Engineering Programs

Summer Minority Engineering Training Program (SUMMET)

Grades: 9, 10

Dates: Varies, check the website for details. **Application Deadline:** March 1

Location: Colorado School of Mines Campus, Golden, CO

Cost: NO cost. \$50 confirmation fee and \$100 damage deposit upon acceptance

Brief Description: A science and engineering program combining course work, hands-on projects, industry tours, sporting activities and social events. SUMMET is an excellent stepping stone to the lifestyle and rigors of college. Students from across the nation stay in Mines residence halls, experience life as a college student, and receive instruction in trigonometry/calculus, chemistry, geology, computer science, physics and basic to advanced engineering concepts. **For more information, visit:** <http://www.mines.edu/summet>

PREFACE

Grades: 9,10

Dates: June 18-25 **Application Deadline:** TBA

Location: Purdue University Main Campus, West Lafayette, IN

Cost: TBA

Brief Description: Designed to give students completing their freshman and sophomore year in high school an opportunity to explore engineering for a week during the summer virtually. Participants nationwide are chosen based on their high school grades and their math/science teacher or counselor recommendation. **For more information, visit:** <https://www.purdue.edu/mep/Pre-College/Summer%20Programs/PREFACE.html>

MITE Academic Boot Camp

Grades: 11

Dates: June 18-July 23

Application Deadline: TBA

Location: Purdue University Main Campus, West Lafayette, IN

Cost: TBA

Brief Description: Designed to give rising juniors the opportunity to participate in first year engineering projects and prepare for college applications virtually. This includes SAT review, engineering design, time management, and social acclimatization to college life. For more information, visit: <http://www.purdue.edu/mep/>

Summer Engineering Seminar (SES)

Grades: 10, 11

Dates: Session 1: July 12-15; Session 2: July 19- July 22; Session 3: July 26-29 **Application Deadline:** March 19

Location: Santa Clara University Campus, Santa Clara, CA

Cost: NO cost

Brief Description: This special virtual summer experience is for high school students who have an interest in science, mathematics and engineering. The program is designed to acquaint participants with the engineering profession, the academic expectations of college and the nature of life at a university. Three sessions will be held.

For more information, visit : <https://www.scu.edu/engineering/beyond-the-classroom/outreach/summerengineering-seminar-ses/>

Minority Introduction to Engineering and Science (MITES)

Grades: 10, 11

Dates: Varies, check the website for details **Application Deadline:** March 19

Location: Missouri University of Science and Technology, Rolla, MO

Cost: NO Cost

Brief Description: You will become acquainted with the various technological degrees that Missouri University of Science and Technology has to offer and what demands people face in these fields. This is also a great opportunity for you to get a taste of university life and learn what it takes to succeed in college. Minority students for this program include African American, Native American and Hispanic American.

For more information, visit: <http://web.mit.edu/mites/>

Explosives Camp

Grades: 10, 11

Dates: TBA **Application Deadline:** TBA

Location: Missouri University of Science and Technology, Rolla, MO

Cost: \$1,450 for tuition, room, materials and board. Transportation must be arranged by student.

Brief Description: If you are interested in nuclear engineering, this one-week summer program will introduce you to the fascinating world of nuclear power and the outstanding opportunities in nuclear engineering!

For more information, visit: <http://futurestudents.mst.edu/summercamps/explosives/>

Summer Experience in Science and Engineering for Youth (SESEY)

Grades: 9, 10, 11

Dates: TBA, check the website for details.

Application Deadline: TBA, check the website for details.

Location: Oregon State University Campus, Corvallis, Oregon

Cost: TBA

Brief Description: SESEY offers a unique virtual opportunity for high school girls and minority students with an aptitude for math and science in engineering fields. This one-week summer program encourages students to explore the world of engineering and to consider careers in its variety of fields. The program will culminate with a presentation of student projects and a display at the annual Corvallis da Vinci Days celebration.

For more information, visit: <http://cbee.oregonstate.edu/apply-sesity>

Women in Engineering: Exploring Engineering at the University of Maryland (E2@UMD)

Grades: 9, 10

Dates: Session 1: July 12-16; Session 2: July 19-23

Application Deadline: TBD

Location: University of Maryland, College Park, MD

Cost: \$250

Brief Description: E2@UMD is a virtual one-week summer program for high school women (rising juniors or seniors)

who are considering engineering as a possible major and career. You will live on campus for one-week and explore the world of engineering through fun hands-on activities, laboratory experiments, informative workshops, team challenges, and seminars with professional engineers.

For more information, visit: <http://www.wie.umd.edu/k12/e2atumd> or call (301) 405-3283

PREFACE at Rensselaer Polytechnic Institute

Grades: 10, 11

Dates: June 18- July 16

Application Deadline: April 16

Location: Rensselaer Polytechnic Institute, Troy, NY

Cost: \$800

Brief Description: PREFACE is a two-week virtual summer experience at Rensselaer Polytechnic Institute for talented high school sophomores and juniors, who will enter the 11th or 12th grade in the Fall of 2012, from groups that have been historically and traditionally underrepresented or underserved in science, engineering, and technological fields, and are interested in pursuing careers in engineering and technological professions.

For more information, visit: <http://doso.rpi.edu/update.do?artcenterkey=658>

Cosmos at University of California Irvine

Grades: 8, 9, 10

Dates: July 6-July 31 **Application Deadline:** February 19

Location: UC Irvine, Irvine, CA

Cost: \$2,117

Brief Description: COSMOS has as its mission to motivate the most creative minds of the new generation of prospective scientists, engineers, and mathematicians who will become leaders for California, the nation, and the world. The virtual program aims to create a community of students who participate in and contribute to an intensive

academic experience

For more information, visit: <http://www.cosmos.uci.edu/>

Science, Math and Research Programs

NASA: Pre-College Internship

Grades: 12 (graduating)

Dates: Vary

Application Deadline: March 5

Location: NASA Facilities

Cost: NO cost

Brief Description: INSPIRE OLC participants in the 12th grade who have been accepted to attend a college or university to pursue a STEM degree may compete for the Pre-College Internship Summer Experience. Selected applicants participate in a paid, eight-week internship with a NASA mentor at the NASA facility within their service areas. During this internship, the student receives a stipend and is then responsible for making all lodging, meals and transportation arrangements.

For more information, visit: <https://intern.nasa.gov/>

Scientific Discovery Program (SDP)

Grades: 9, 10

Dates: Varies, check website for more details

Application Deadline: May 1

Location: St. Cloud State University Campus, St. Cloud, Minnesota

Cost: \$10 non-refundable application fee, \$4,000 program cost. Living expenses should be budgeted for. Limited financial aid is available to students in need.

Brief Description: Participants will experience biological, chemical, computer sciences, mathematical, social and statistical sciences through a virtual program including laboratories, special demonstrations, presentations, field trips and lectures related to water quality and solid waste management. Participants will use the knowledge and skills they develop to conduct research on topics that have social and environmental significance in their communities. University and practicing scientists will work closely with the student in identifying, designing, developing and implementing the research project.

For more information, visit: <https://www.stcloudstate.edu/pipeline/msc/default.aspx>

Advanced Program in Technology and Science (APTS)

Grades: 10, 11

Dates: July 11- July 30

Application Deadline: May 1

Location: St. Cloud State University Campus, St. Cloud, Minnesota

Cost: \$10 non-refundable application fee, \$3,000 program cost. Living expenses should be budgeted for. Limited financial aid is available to students in need.

Brief Description: The three-week residential program will focus on scientific research for students from historically underrepresented groups and expose them to career options in technology. They will meet positive role models in these fields. Sessions will encourage professional mentor/mentee relationships. Students of color and female students are encouraged to apply.

For more information, visit: <https://www.stcloudstate.edu/pipeline/apts/default.aspx>

Arthritis Foundation Summer Science Internship Program

Grades: 11, 12, 13, 14 (Must be 17 years of age by start of program)

Dates: TBD

Application Deadline: TBD

Location: Stanford University and UCSF, Palo Alto and San Francisco, CA

Cost: NO cost. 11th and 12th grade students receive \$1,500 stipend, undergraduates receive \$2,000 stipend. Must provide for own housing and transportation.

Brief Description: During this 8-week internship students receive hands-on experience in the fields of rheumatology and immunology, with a focus on arthritis and related autoimmune diseases. Interns participate in either basic lab research or clinical translational/epidemiological research.

For more information, visit: <https://ugr.ue.ucsc.edu/Arthritis>

History of Life

Grades: 9, 10, 11, 12

Dates: Varies depending on program

Application Deadline: TBD

Location: Stanford, Palo Alto, CA

Cost: Varies by program, see website for details.

Brief Description: For Bay Area high school students with strong abilities in math and science who want to spend their summer working with Earth and environmental research labs remotely. Most students present results of their projects at the Fall Meeting of the American Geophysical Union.

For more information, visit: <https://pangea.stanford.edu/>

COSMOS - California State Summer School for Math and Science

Grades: 9, 10, 11, 12

Dates: July 6- July 31

Application Deadline: February 19

Location: Varies

Cost: \$30 non-refundable application fee. The tuition for the program \$2,117. Full and partial financial assistance is available. Students who qualify for free/reduced lunch by the National Lunch Program will automatically qualify to receive full financial assistance upon verification.

Brief Description: COSMOS is a four-week virtual program for talented and motivated students completing grades eight through twelve. Students work side-by-side with outstanding university researchers and faculty exploring advanced topics that extend beyond the typical high school curriculum. COSMOS courses are hands-on and lab intensive emphasizing current research underway at the University of California.

For more information, visit: <http://www.ucop.edu/cosmos/>

Eugene and Ruth Roberts Summer Student Academy

Grades: Must be at least 16. Completion of high school courses in chemistry and biology required. Dates: TBA, check the website for details. In the past, the program has been from May through August. **Application Deadline:** March 17

Location: City of Hope Irell and Manella Graduate School of Biological Sciences

Cost: NO cost. Students receive \$4,000 stipend. Housing not provided.

Brief Description: Designed to engage the scientific curiosity and promote the potential cancer research careers of promising high school and undergraduate students from under-represented populations. Students gain full-time lab experience in a virtual program.

For more information, visit: <http://www.cityofhope.org/summer-student-academy>

The Smith Summer Science and Engineering Program (SSEP)

Grades: 8, 9, 10, 11

Dates: Varies on session, check website for more details

Application Deadline: March 1

Location: Smith College Campus, Northampton, Massachusetts

Cost: Application fee of \$50. Ranges from \$2,345 to \$4,285

Brief Description: The Smith Summer Science and Engineering Program (SSEP) is a four-week virtual or residential program for talented young women who are highly interested in science, engineering, and medicine. Participants will engage in hands on research with Smith's faculty in the life, physical science, and engineering. Students who will be in grades 9-12 in the fall are eligible to apply. More than half of the students have received need-based financial aid to participate in the program.

For more information, visit: <https://www.smith.edu/academics/precollege-programs/ssep>

SAMS: The Summer Academy for Mathematics + Science

Grades: 10, 11, 12

Dates: July 6 - December 2021

Application Deadline: Feb 10

Location: Morgan State University, Baltimore, Maryland

Cost: NO Cost

Brief Description: SAMS: The Summer Academy for Mathematics + Science is a rigorous, summer virtual program for talented students entering their Junior or Senior year in high school. This program is designated for students who are interested in math and science and are considering careers in engineering, science, and other math based disciplines. Students will be involved in hands-on engineering and science projects. Students will receive preparation for standardized testing required for admission to selective colleges. The program will provide experiences and guidance until the end of the year.

For more information, visit: <https://admission.enrollment.cmu.edu/pages/access-sams>

Earthwatch Teen Expeditions

Grades: 10, 11, 12

Dates: Varies on program, see website for details

Application Deadline: Varies on program, see website for details

Location: Varies on program, see website for details

Cost: Varies on program. Average is \$3,200.

Brief Description: Earthwatch Teen Expeditions are hands on, engaging, and meaningful, providing unrivaled opportunities to undertake vital, peer-reviewed scientific field research under the supervision of skilled research teams in a professional setting on projects all around the world. It empowers students to be part of the solution to today's most pressing environmental concerns.

For more information, visit: <http://earthwatch.org/education/teen-expeditions> or <http://earthwatch.org/education/expedition-for-teens>

SMASH Summer Math and Science Honors Academy

Grades: 9 (program runs for three consecutive summers)

Dates: July 5 - August 3

Application Deadline: TBA, see website for details

Location: UC Berkeley, UCA, Stanford University or USC, Berkeley, Palo Alto, or Los Angeles, CA

Cost: NO cost

Brief Description: A three-year, 5-week virtual summer math and science enrichment program for high achieving, low- income high school students of color (Black, Latino/a, Native American, Southeast Asian or Pacific Islander). Students live on campus during the program, learning to become competitive in STEM related studies at top universities while also developing a sense of social responsibility and leadership. Students also receive year-round academic support including SAT prep, college counseling, financial aid workshops and other activities.

For more information, visit: <http://www.ceed.ucla.edu/k-12/>

Stanford EXPLORE: A Lecture Series on Biomedical Research

Grades: 9, 10, 11, 12

Dates: July 20 - 30

Application Deadline: First come, first serve

Location: Stanford University, Palo Alto, CA. Non-residential program

Cost: \$750 per week

Brief Description: Covers the fundamentals and current research areas represented in the five Stanford Institutes of **Medicine:** Immunology, Neuroscience, Cardiovascular, Stem Cell and Cancer. Lectures are given by Stanford graduate students, postdoctoral fellows and faculty. Virtual lectures also include topics on careers in science and medicine and applying to undergraduate, graduate and medical school.

For more information, visit: <https://oso.stanford.edu/programs/51-stanford-explore-a-lecture-series-on-biomedical-research>

Stanford Medical Youth Science Program

Grades: 10, 11 (residing in northern or central CA, preference given to juniors)

Dates: June 21-July 23

Application Deadline: March 10

Location: Stanford University, Palo Alto, CA

Cost: NO cost

Brief Description: The SMYSP Summer Program (SRP) is an annual science- and medicine-based enrichment program open to low-income and ethnically disadvantaged high school sophomores and juniors who live in northern and central California. The virtual program guides 24 ethnically diverse students through a five-week summer program held on Stanford University's campus. The program bolsters student's science skills while introducing them to a host of health-related careers including physician, medical researcher, pharmacist, etc. **For more information, visit:** <http://smysp.stanford.edu/>

Stanford University Mathematics Camp

Grades: 10, 11 (must be 15-17 years of age)

Dates: Varies by session

Application Deadline: March 10

Location: Stanford University, Palo Alto, CA

Cost: \$3,250 Some financial aid available

Brief Description: SUMaCs goals are to bring mathematically talented and motivated high-school students from across the U.S. and the world to Stanford University virtually for four weeks of serious mathematical pursuits.

For more information, visit: <http://sumac.stanford.edu/>

National Youth Leadership

Grades: K-college

Dates: Varies, see website for details

Application Deadline: Varies, see website for details

Location: Varies, see website for details

Cost: Varies on program. Some financial aid available

Brief Description: See website. Many programs are available for students in K-12 and higher education. All programs serve the purpose of getting firsthand career experience and gaining the skills students will need to be successful in college and their future careers.

For more information, visit: <http://www.envisionexperience.com/>

Project SEED

Grades: 11, 12 (must have completed at least one chemistry course)

Dates: June 21 - July 30

Application Deadline: April 2021

Location: Washington, D.C.

Cost: NO cost. Housing/transportation not provided. Students receive 2,500 – 3,000 fellowship award.

Brief Description: This virtual program aims to allow economically disadvantaged students experience the work of a chemical scientist. Students work alongside scientist-mentors on projects in industrial, academic and federal research laboratories.

For more information, visit: <http://www.acs.org/>

UC Davis Young Scholars Program

Grades: 10, 11

Dates: TBD

Application Deadline: March 15th

Location: University of California Davis, Davis, CA

Cost: \$25 Application Fee, \$2,500 tuition. Financial aid available.

Brief Description: A six-week virtual program that offers high-achieving sophomores and juniors an opportunity to do mentored research in the natural sciences in university laboratories.

For more information, visit: <http://yisp.ucdavis.edu/>

Business/Economics Programs

Katie School of Insurance and Financial Services Minority High School Scholars Actuarial Academy

Grades: all

Dates: July 11-July 16

Application Deadline: April 1st

Location: Illinois State University Campus, Normal, Illinois

Cost: NO cost, provides \$200 stipend for travel

Brief Description: The one-week virtual program is designed especially for above-average African-American, Hispanic, and Native American high school students who excel in mathematics, enjoy learning, and like to solve complicated problems. If you have a passion for mathematics and an appetite for knowledge, you may have what it takes to be an actuary. This program will help you decide if an actuarial career is a way to use your mathematical ability. **For more information, visit:** <https://business.illinoisstate.edu/katie/outreach/minority.shtml>

The Riordan Scholars Program

Grades: 10, 11, 12

Dates: TBA, check website for details

Application Deadline: May 21

Location: UCLA Anderson campus, Los Angeles, CA

Cost: NO cost, transportation arrangements provided

Brief Description: The Riordan Scholars Program is for 10th, 11th, and 12th grade high school students who are interested in learning about business and developing leadership skills. Riordan Scholars attend eight (8) monthly Saturday seminars at the UCLA Anderson School of Management.

For more information, visit: <https://www.anderson.ucla.edu/programs-and-outreach/riordan-programs/riordan-scholars>

Hispanic National Bar Foundation's Future Latino Leaders Law Camp

Grades: 10, 11, 12

Dates: July 13-15

Application Deadline: April 1st

Location: Washington, D.C.

Cost: 50 non-refundable fee (fee waivers available upon request). Students may be responsible for arranging their own transportation, see website for more details.

Brief Description: The Future Latino Leaders Law Camp is a nine-day virtual program. Students live in college dorms and have a college experience while learning about the legal profession and legal procedure from practicing attorneys, law professors, and judges. Leadership skills will be developed in persuasion and negotiation, communication, and public speaking. Students work in teams with a law student camp counselor to prepare for a moot court competition.

For more information, visit: <http://www.hnbf.org/programs-partnerships/future-latino-leaders-law-camp/>

Economics for Leaders Program

Grades: 11

Dates: Varies on site, check website for details

Application Deadline: April 14

Location: Varies, check website for details

Cost: \$600-\$1,400 program fee, travel costs, and dinner on the excursion day, may vary if program is virtual

Brief Description: The goal of the Economics for Leaders program is to give promising students the skills to be more effective leaders and to teach them how to employ economic analysis when considering difficult public policy choices. Given the existing challenges confronting our nation and, assuming that problems in years to come will be equally consequential, the job of preparing the next generation of leaders may be one of the most important actions we can take now to ensure our wellbeing in the future.

For more information, visit: <http://www.fte.org/student-programs/economics-for-leaders-program/>

Writing Programs

Princeton University Summer Journalism Program

Grades: 10, 11

Dates: TBA: mid-June - early August

Application Deadline: March 15th

Location: Princeton University, Princeton, NJ

Cost: NO cost

Brief Description: This virtual program is for low-income sophomores or juniors with at least a 3.5 GPA (on a 4.0 scale) who have an interest in journalism. The cost is free including travel costs to and from Princeton!

For more information, visit: <http://www.princeton.edu/sjp/>

Art Programs

Pre-College Art and Design, The Pre-College Drama Program, The Pre-College Music Program

Grades: 10, 11

Dates: TBD

Application Deadline: March 17

Location: Carnegie Mellon, Pittsburgh, Pennsylvania

Cost: Varies depending on program, check website for details

Brief Description: These virtual Pre-College Programs motivate, stimulates, and prepare students as emerging artists. Participants will have challenging lectures and courses, field trips and interaction with dedicated faculty. Students can choose between 6 week program and 3 week program.

For more information, visit: <http://admission.enrollment.cmu.edu/pages/pre-college/>

Summer of Art

Grades: 10, 11, 12

Dates: July 6- 30

Application Deadline: June 4

Location: Otis College, Los Angeles, CA

Cost: \$1,000 to \$2,700 for tuition and fees (some scholarships available)

Brief Description: Virtual programs include, animation, architecture/landscape, black and white photography, digital media, digital photography, drawing/painting in anime style, fashion design, graphic design, illustration, life drawing, painting, product design, sculpture, and toy design.

For more information, visit: <http://www.otis.edu/summer-art>

The National High School Game Academy

Grades: 11

Dates: July 6- August 14

Application Deadline: March 17

Location: Carnegie Mellon, Pittsburgh, Pennsylvania

Cost: \$5,940

Brief Description: The National High School Game Academy explores the video game industry and the skills needed to be successful in it in a remote experience. Participants are responsible for books, supplies, and recreational expenses.

For more information, visit: <http://admission.enrollment.cmu.edu/pages/pre-college-nhsga>

Social Justice and Political Programs

DREAM Summer

Grades: unspecified

Dates: TBD, check back for dates

Application Deadline: February 26th

Location: Los Angeles and various others

Cost: NO cost. You will receive a \$5,000 stipend but must be able to pay for travel to and from Los Angeles for the retreats/your social justice organization.

Brief Description: Dream Summer is a 10-week full-time virtual internship that places its fellows into one of four cohorts, each tasked with a specific project with a host organization. All organizations are social justice organizations and Dream Summer Fellows work closely with their host to help incorporate and strengthen the inclusion of undocumented issues into the work that the social justice organization does. The four cohorts for 2017 are The Undocumented Justice Cohort, The Labor Cohort, The Silicon Valley Cohort, and The Unaccompanied Minors Cohort. Partner organizations in the past have been based in Washington D.C., San Francisco, Oakland, Los Angeles, Santa Ana, Long Beach, San Bernardino, Pomona, San Diego, Fresno, Arvin, Bakersfield, Manhattan, Brooklyn, Queens, The Bronx, New York City, Austin, Florida, Arizona, Tucson, New Mexico, and Albuquerque.

For more information, visit:

<https://www.labor.ucla.edu/what-we-do/dream-resource-center/dream-summer/>

Pathways Internship Program

Grades: Varies on internship. Check the second link for applicant details.

Dates: Varies on internship. Check the second link for details.

Application Deadline: Varies on internship. Applications are accepted on a rolling basis as internships are posted.

Location: Varies on internship.

Cost: NO cost. You will be given a salary and are expected to provide for your own housing and costs of living.

Brief Description: The Internship Program provides students with opportunities to work in agencies and explore Federal careers. Most Student Trainee positions are in office work and accounting, but opportunities are also available in pharmacy, engineering, environment, and others. Internships are run through various departments including the Department of the Interior, Department of the Air Force, Securities and Exchange Commission, Department of Justice and others.

For more information, visit: <https://www.opm.gov/> or <https://www.usajobs.gov/Search/>

Miscellaneous Programs and Resources

City Year, Washington D.C. (AmeriCorps)

Grades: 12

Dates: Varies, check website for details

Application Deadline: February 15th, subject to change

Location: Varies

Cost: NO cost (living stipend of at least \$12,100 for the year depending on location, health care coverage, free metro pass, and \$5,645 educational scholarship)

Brief Description: Graduating seniors who are not sure what they want to do after high school should consider applying for a paid community service position with City Year, Washington, DC., a group of 17-24 year olds committed to full-time service for ten months in the Washington, DC community, focusing on mentoring and tutoring youth in public schools. City Year has 24 locations throughout the U.S., and two abroad.

For more information, visit: <http://www.cityyear.org/>

Student Historian Internship Program

Grades: 10, 11, 12 in the tri-state area

Dates: October - June, check website for details

Application Deadline: Closed

Location: NY, NY

Cost: NO cost. Students who are eligible for free or reduced lunch may qualify for pay. Students must provide own housing and cost of living expenses.

Brief Description: Students train to research, develop, and lead tours of the museum collection, research art, artifacts and documents in the collection, assist with public programs, contribute to the Student Historian blog, and visit other museums and cultural institutions in New York City.

For more information, visit: <https://www.nyhistory.org/education/teen-programs/student-historian-program>

Caroline D. Bradley Scholarship

Grades: 9,10, 11, 12

Application Deadline: March 30

Brief Description: The Caroline D. Bradley Scholarship is a full four-year, merit-based high school scholarship. The Scholarship can be used nationally toward any high school or approved alternative educational program that best fits the Scholar's individual intellectual, academic, and personal needs and goals. The Scholarship enables highly able middle school students to explore and access unlimited high school and early college opportunities that provide these young adults with the optimal educational match for their high school career.

For more information, visit: <https://educationaladvancement.org/caroline-d-bradley-scholarship/>

Summer College @ Syracuse

Grades: 10, 11, 12

Dates : Varies, 3 or 6 week programs available

Application Deadline: May 15th

Cost: \$2,500 - \$3,680

Brief Description: The virtual Summer College program for high school students is a way for students to take college classes for credit. Classes can either be 3 weeks or 6 weeks long, and can be non-credit, 3 credits, or 4-credits.

For more information, visit: <https://precollege.syr.edu/?redirect>

Yale Young Global Scholars

Grades: 10, 11, 12

Dates : Varies per session

Application Deadline: Closed

Cost: \$3,500

Brief Description: Yale Young Global Scholars (YYGS) is an academic virtual enrichment program for outstanding high school students from around the world. Each summer, students from over 130 countries (including all 50 U.S. states) participate in one interdisciplinary, two-week session. Immerse yourself in a global learning community at Yale University.

For more information, visit:<https://globalscholars.yale.edu/tuition>

Enrichment Alley

Brief Description: This is a free comprehensive searchable database. It includes numerous free programs as well as many that offer financial aid. Reviews too!

For more information, visit: <http://www.enrichmentalley.com/>

Center for Student Opportunity College Center

Brief Description: A searchable database and spotlight profiles to recognize and promote the good work of leading college access programs, community-based organizations, educational resources centers, and scholarship foundations nationally.

For more information, visit: <http://www.csocollegecenter.org/programnp.aspx>

