

SUMMER PROGRAMS FOR HIGH SCHOOL STUDENTS

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BOSTON UNIVERSITY

Boston University Summer Programs – General Pages

<http://www.bu.edu/mysummer/> (listed below)

<http://www.bu.edu/phpbin/provost/k12/browse/> (see this page for even more BU programs)

U-Design

Boston University College of Engineering Summer Program

U-Design offers a hands-on laboratory and workshop experience that gives young students the opportunity to learn about science and technology by engaging them in the real work of scientists and engineers: design, exploration, experimentation, and invention. Here, students are encouraged to think of their own ideas, and build their own way-cool inventions.

Three different workshops customarily held the 2nd and 3rd weeks of July.

Two sessions per summer. One week per session

Registration begins January 12, 2009: Deadline and full payment should be received no later than May 22, 2009

2009 Program: Week 1 begins July 13-17 and Week 2 begins July 20-24

Grade Levels: Six through nine.

Contact: Marlene Jreaswec, Program Coordinator 617-353-9771

For more information, [click here](#).

High School Honors Program

Boston University Summer Term

The High School Honors Program offers talented rising juniors and seniors the chance to earn college credit through Boston University undergraduate courses.

1 session. 6 weeks. End of June to beginning of August.

For more information, [visit the Summer Term website](#).

Academy of Media Production

Boston University College of Communication

Academy of Media Production (AMP) is a five-week, hands-on program for high school students interested in the many aspects of media production. Students can create their own 16mm film, direct a

live multi-camera TV program, write news and documentary scripts, produce a live radio web cast, edit projects on nonlinear editing systems, and much more. At AMP, students learn by doing.

1 session per summer. Five weeks. Middle of July to middle of August.

Grade Level: Rising juniors and seniors.

For more information, [click here](#).

Program in Mathematics for Young Scientists

Boston University Mathematics Department

The Program in Mathematics for Young Scientists (PROMYS) is a six-week summer program at Boston University designed to encourage motivated high school students to explore the creative world of mathematics in a supportive community of peers, counselors, research mathematicians, and visiting scientists.

Six weeks. Beginning of July to middle of August.

Grade level: Rising freshmen, sophomores, juniors, and seniors.

For more information, [click here](#).

Biotechnology SummerLab Program

Boston University School of Medicine

SummerLab provides students with an opportunity to develop a deeper understanding of basic techniques and concepts associated with biotechnology and DNA science. This is a hands-on, laboratory-based program during which students work cooperatively in laboratories at the Boston University School of Medicine.

Students work in research teams to produce and purify proteins using a variety of techniques. SummerLab is offered as either a residential program or a commuter program (for students in the greater Boston area) and is accessible to students with disabilities.

Two one-week sessions during summer 2009: July 27-31 and August 3-7

Grade level: Rising sophomores, juniors, and seniors.

For more information, [click here](#).

Summer Challenge Program

Boston University Summer Term

The Summer Challenge program offers students a preview of college life and college coursework. During this two-week program, students participate in two academic seminars in the areas of business, creative writing, international politics, law, persuasive writing, psychology, science, and visual arts.

Two weeks. Middle of June to beginning of August.

Grade Level: Rising sophomores, juniors, and seniors.

For more information, [visit the Summer Term website](#).

Summer Investigative Journalism Workshop for High School Students

Boston University College of Communication

The 2009 Summer Investigative Journalism Workshop is a one-week program designed to give high school students intensive training in investigative reporting and the chance to work on investigative stories that could be published in their own school publications or in major media outlets in New England.

Dates: July 20-24, 2009

Location: Boston University College of Communication

For more information, visit

<http://www.necir-bu.org/summerworkshop.html>.

Summer School Vacation Camp

Boston University Department of Physical Education, Recreation and Dance & Office of Family Resources

The Summer School Vacation Camp has been established by the Department of Physical Education, Recreation and Dance and the Office of Family Resources to help parents provide quality vacation time for their children during the public school summer break. This general recreational camp program includes activities such as swimming, sports, arts and crafts, field trips, and much more.

4 two-week camp sessions each summer with a 1 week pre-camp session.

2009 camp season begins June 15 and ends August 14.

For more information, [click here](#).

Summer Theatre Institute

Boston University School of Theatre Arts

The Boston University Summer Theatre Institute is a five-week program for serious and mature high school students. It is designed for those who wish to test their interests and abilities in a professional training environment. In this program, students develop confidence and technique, acquire insight and expertise, and learn to meet intellectual and artistic challenges.

1 session per summer. Five weeks. End of June to beginning of August.

Grade level: Rising juniors and seniors.

For more information, [click here](#).

Swimsport Camp

Boston University Department of Physical Education, Recreation, and Dance

The Swimsport Camp offers swimming, sailing, basketball, soccer, tumbling, gymnastics, and other activities for instructional and recreational play. Held at Boston University's award-winning Fitness and Recreation Center. The camp's goal is to provide a safe and fun environment with quality instruction and programming.

4 two-week camp sessions per summer, with a Pre-Camp June 15-19.

Camp season begins June 22 and ends August 14.

For more information, [click here](#).

Tanglewood Institute

Boston University School of Music

The Boston University Tanglewood Institute (BUTI) is recognized internationally as an outstanding educational opportunity for young artists. It is the only program of its kind associated with one of the great symphony orchestras of the world. Under the guidance of distinguished professionals and in the presence of the Boston Symphony Orchestra, young people devote themselves each summer to an artistic experience without parallel.

Two to six weeks. End of June to middle of August.

Grade Level: Rising freshmen, sophomores, juniors, seniors, and recent graduates (for some two-week workshops only).

For more information, [click here](#).

Upward Bound

Boston University School of Education

The Upward Bound program is a federally-funded college preparatory program that serves low-income students who attend selected Boston Public Schools. Students enter the program in either the grade 9 or 10 and remain with the program until their graduation from high school. Program services include an academically intensive six-week summer residential program and an after-school program of tutoring and academic courses during the school year.

1 session per summer. Six weeks. End of June to beginning of August.

Grade level: Rising sophomores.

For more information, [click here](#).

Visual Arts Summer Institute

Boston University School of Visual Arts

The School of Visual Arts has a longstanding tradition of providing students with exceptional foundation skills. It is ideal for students who wish to pursue art at the college level or those who simply wish to improve their artistic abilities. This residential, four-week, portfolio-building program emphasizes working from observation, and focuses on life drawing, sculpture, and painting.

1 session per summer. Four weeks. July 5 – July 31.

Grade level: Rising sophomores, juniors, and seniors.

For more information, [click here](#).

Institute of Reading Development

Offered through Boston University, Metropolitan College and Extended Education

The Institute of Reading Development offers eight different reading skills and speed reading programs. Each program emphasizes lessons in reading skills and comprehension, helping to stimulate a lifelong interest in reading for pleasure.

8 sessions per summer. 5 weeks. End of June to end of August.

For more information, [click here](#).

Apprenticeship Dance Program

Boston University Department of Physical Education, Recreation, and Dance

Under the guidance of professional dancers and college interns, sixteen teen-age apprentices will create a 45 minute dance performance and go "on tour" to day camps in the Greater Boston area. Students will hone their technical, performance and choreographic skills during the first two weeks; for the next two weeks, the "company" will perform and lead workshops at a dozen Associated Grantmakers' Summer Fund sites.

In addition, there will be master classes, an evening performance for the public, and an informational session on preparing for college admission. Scholarships are available. Admission by audition and recommendation.

June 29 – July 10: M-F, 9 a.m.-2 p.m.

July 13 – July 24: M-F, 8 a.m.-2 p.m.

For more information, [click here](#).

Summer Reading & Writing Institute

Boston University School of Education

The Donald D. Durrell Summer Reading and Writing Clinic at Boston University School of Education serves elementary and middle school students who experience difficulty with reading and writing. Students who attend the Clinic are evaluated in six key domains of literacy (motivation and interest, word study, comprehension, writing, spelling, fluency) using a collection of research-validated informal and formal assessments.

Based on assessment results, we design an individualized tutoring plan that builds on students' identified strengths while addressing their needs. All instruction is provided by teachers who are experts in literacy. Tutoring is offered in two, three-week terms that meet from 8:30 to 11:30 a.m. on Monday, Tuesday, Wednesday, and Thursday mornings. Students may register for one or both terms.

Session I: Monday, June 29--Thursday, July 16

Session II: Monday, July 20--Thursday, August 6

The cost is \$1875 per term, or \$3600 for two terms. **For more information, [click here](#).**

Cooking Up Culture **Cooking Up Culture**

Boston University Lifelong Learning Program

Boston University Cooking Up Culture Day Camp offers a week-long culture and cuisine experience. Each day, students spend the morning learning about a specific region or country, its customs and cooking traditions. Under the guidance of an expert chef, the class then prepares a hands-on lunch, learning cooking techniques along the way. Afternoons are spent exploring other historical and cultural angles, using maps, music, and other interactive activities to better understand global cultures. 2 sessions per summer.

One week. Second and third weeks of July.

For more information, [click here](#).

Digital Imaging Arts Summer Institutes

The Center for Digital Imaging Arts at Boston University

Challenge your artistic side while you check out exciting career possibilities at the Center for Digital Arts Summer Camps. This summer we're offering creative learning opportunities in Digital Filmmaking, Digital Photography, and Maya Digital Animation. Each hands-on, two week camp gives you the chance to explore the latest digital imaging tools as you express your ideas, tell your stories, and stretch your imagination.

3 two week sessions. Sessions begin on July 11 and end on August 19.

Age level: 15-18.

For more information, [click here](#).

<http://www.cdiabu.com/overview/summer-programs.php>

BOSTON COLLEGE

Boston College Experience

<http://www.bc.edu/schools/summer/bce/>

Summer program for high school students

Thinking about where to apply to college and what to study? Spend six weeks at Boston College from June 28th to August 6th, 2010. Take college courses; earn college credit. Live and study with your peers as you experience college. Interact with outstanding professors. Be where 32,000 freshman applicants want to be, in Boston, at Boston College.

Each summer talented and motivated high school students who have completed the **Eleventh grade** and have compiled outstanding academic records immerse themselves in a campus environment that encourages academic exploration, fosters personal growth, and develops strategies for dealing with the more intense demands of college.

The Boston College Experience offers a unique and rewarding summer. Its breadth of courses, distinguished faculty and interesting students will encourage you to pursue specific goals, explore different directions and make new friends. The Boston College Experience builds the confidence needed to help you reach more informed judgments as you enter Senior year and plan the next phase of your life.

As a Boston College Experience student, you will discover the summer challenging, rewarding, and exciting both academically and personally. You will test yourself by taking college-level courses with undergraduate students as you explore subjects not available at your high school. In addition, you will learn to make choices and organize your time as you become better prepared for college.

We look forward to welcoming you at Boston College this summer. Please telephone (617) 552-3800 or e-mail bce@bc.edu. We are happy to respond to your questions.

Harvard University

Harvard's Secondary School Program (SSP)

<http://www.summer.harvard.edu/2010/programs/ssp/>

A taste of college, a taste of Harvard.

Wondering what college is like?

Experience college this summer in Harvard's Secondary School Program (SSP). You'll be challenged—both personally and academically—by taking college courses, living in a dorm, and making friends from around the world.

Who can apply? We welcome high school applicants who will graduate in 2010, 2011, or 2012.

Cost: \$9,785, which includes tuition, housing, and health insurance (if needed).

[Find out more about the program >](#)

Contact us: (617) 495-3192, ssp@dcemail.harvard.edu

Every summer approximately 1,000 high school students who have completed their junior or senior year spend eight weeks at Harvard University. (A limited number of sophomores are also accepted.) Living and learning with students from all areas of the United States and more than 90 countries around the world, SSP students take courses and earn college credit.

MIT

Summer Programs at MIT

If you'd rather study the human genome or build a robot than master the finer points of archery or memorize this year's summer TV reruns, we've got the programs for you:

MIT's residential summer programs offer a great way to keep your brain fizzing happily, get a feel for what it might be like to attend MIT for real, and meet a lot of other young people who also get a kick out of using their heads.

*

Minority Introduction to Engineering and Science (MITES) Program is an intensive six-week residential academic enrichment program for about 80 promising high school juniors who intend to pursue careers in science, engineering and entrepreneurship, especially those from minority backgrounds and other underrepresented segments of the population. The program is free of charge to participating students, not including transportation.

*

Research Science Institute (RSI) brings together about 70 high school students each summer for six stimulating weeks at MIT. This rigorous academic program stresses advanced theory and research in mathematics, the sciences and engineering. Participants attend college-level classes taught by distinguished faculty members and complete hands-on research, which they often then use to enter science competitions. Open to high school juniors, the program is free of charge for those selected.

*

Women's Technology Program (WTP) is a four-week summer academic and residential experience where 60 female high school students explore engineering through hands-on classes (taught by female MIT graduate students), labs, and team-based projects in the summer after their junior year. Students attend WTP in either Electrical Engineering and Computer Science (EECS) or Mechanical Engineering (ME).

MIT also co-sponsors the following program:

*

Summer Science Program (SSP) is a six-week residential summer program affiliated with MIT, held at campuses in California and New Mexico. At each campus, 36 students perform a hands-on astronomical research project from start to finish, determining the orbit of an asteroid from their own observations, measurements, and software. Field trips and guest lectures round out the curriculum. Since 1959 over 150 SSP alumni have subsequently enrolled at MIT.

You may also wish to explore the summer programs listed in the Science Fairs & Olympiads section.

Northeastern University

Northeastern – College of Professional Studies (NE-CPS)

High School Students Enrolling in Summer Session Courses

http://www.cps.neu.edu/summerschool/student_hs.php

High school students in good academic standing at their home institutions are eligible to enroll in individual SPCS summer session courses. This is a unique and exciting opportunity allowing you to select and explore course topics not offered in your high school, to participate in college-level classes, and to spend some time on a college campus. The opportunity is both challenging and rewarding and will help you prepare for your own college experience.

Summer Discovery Pre-College Enrichment Programs for High School Students (NE-CPS)

<http://www.summerdiscovery.com/summer-discovery/ne-bos>

Summer Discovery! The world's finest & most popular pre-college & middle school enrichment programs. We are proud that every summer more teenagers choose [SUMMER DISCOVERY](#) than any other program of its kind.

4 Week Credit and Enrichment Courses with Internship Opportunity for Students Completing Grades 9,10,11,12

June 27 - July 23 \$6,599 4 Week Residential Tuition

June 27 - July 23 \$3,199 4 Week Day Tuition

June 27 - July 9 \$3,499 2 Week Boston Business Institute Tuition

July 11 - July 23 \$3,499 2 Week Boston Business Institute Tuition

June 27 - July 23 \$2,999 4 Week Day Tuition

[Discovery Internships](#) Business and Non-Profit Internships

[Northeastern University](#)

[DiscoveryWorks](#) On-Campus Community Service

[Northeastern U.](#)

[College Discovery](#) Intensive College Admissions Prep Featuring Dozens of College Visits

[Boston @ Northeastern U.](#)

Northeastern STEM Center

<http://www.stem.neu.edu/>

Bernard Harris

[ExxonMobil Bernard Harris Summer Science Camp \(BHSSC\)](#) – The Bernard Harris Summer Science Camp (BHSSC) is a program of The Harris Foundation, and is currently funded by Exxon Mobil. The foundation takes an active role in shaping education in students in middle and high school through college. The mission of this program is to enable youth, entering grades 6th, 7th, and 8th, to develop and achieve their full potential through support of social, recreational and STEM-based educational programs.

Young Scholars Program

[Young Scholars Program \(YSP\)](#) – The Young Scholars Program offers future scientists and engineers a unique opportunity for hands-on experience while still in high school. The program is open to Boston area applicants who have completed either their sophomore or junior year in high school.

Tech Boston

TechBoston (www.techboston.org/) does run a summer employment program called Tech Apprentice. Students have to apply in the spring and we try to place students with tech skills with employers. So, it isn't exactly open to all students. We have some info about this internship program listed at another website: www.batec.org

TEC – The Education Cooperative

TEC Internships

http://www.tec-coop.org/IWC_Internships.html

NEW Internships available in - Music Recording, TV Production, Education, Environmental Science, Medicine, Journalism.

The Education Cooperative (TEC) offers a unique opportunity to all students who have completed two years of high school. This experience is a personalized 60-hour internship in a work setting that reflects the students' future career expectations.

TEC's High School Internship Program provides a meaningful, hands-on experience, in a supervised professional environment, that encourages all students to realize their full potential in a work setting. The internship provides career exploration in a field the student might wish to pursue upon graduation from high school.

Interns must commit to a total of sixty hours, approximately 10-15 hours per week in the summer. During the academic year, students work 5-8 hours per week in the afternoons after school for approximately 3 months (one term). Students will not be paid for this experience. In lieu of payment, students may receive credit for participating in our internship program.

A TEC Coordinator will interview a student who applies to the High School Internship Program. The coordinator will be evaluating the student for levels of motivation, maturity and responsibility. Once the career of interest is determined, the coordinator finds a placement to best match the needs of the student. The student's geographical parameters and transportation available are also considered.

The sponsor and student then meet for an interview to decide on the suitability of the placement. Hours and work responsibilities will be identified. During the work experience, students may be involved in assisting with a project, shadowing a professional, or independently working on their own assigned tasks.

Students are in contact with their TEC coordinator on a weekly basis. Interns are responsible for sending summaries, maintaining a portfolio, and attending Resume Writing, Interviewing Skills, and College Essay Writing workshops, provided by TEC.

Students may participate in an internship, during the academic year or summer months, after completing two years of their high school education.

Internship Cost: Academic Year - \$500 for students from TEC member towns, \$600 for Non-TEC member towns

Summer - \$500 for students from TEC member towns, \$600 for Non-TEC member towns (additional fee of \$50 for applications received after March 20th) **Applications are due May 15th!**

For Applications: <http://www.tec-coop.org> > [Internships](#) > [Applications & Forms](#) > [Summer & School Year Internships](#)

For any further questions: Please call The TEC Internship Coordinator at 781-326-2473 x 121 or email ssigel@tec-coop.org

Boston Architectural College

BAC Summer Academy 2010

July 6th – 30th

Mondays - Fridays; 9:00am - 12:30pm

Tuition is \$1,625 and includes program materials

[We are now accepting applications for the 2010 program.](#)

Since 1973, the Boston Architectural College has offered high-school students (entering grades 10 or higher) the opportunity to participate in BAC Summer Academy, a design exploration program. With an emphasis on practical hands-on learning, students experience interactive design projects, educational field trips throughout Boston and visits to professional design firms.

From drawing, to model making, to computer-aided design, Summer Academy students study design principles and learn the importance of teamwork in the profession as they collaborate on the design and production of a group project. Throughout the program, students produce a variety of visual and spatial work that can be used to create a portfolio for applying to college programs. At the conclusion of BAC Summer Academy, students have the opportunity to publicly present their work and celebrate their creative accomplishments.

BAC Summer Academy 2010 runs July 6th – 30th, Mondays through Fridays from 9:00AM to 12:30PM. Enrollment is first-come, first-served and is limited. 2010 tuition is \$1,625 and includes materials for the program. Financial need based scholarships are available. Diversity-based scholarships are also available through The Robert Houseman and the Richard Kirkham Fund for Diverse High School Students Entering the Design Professions. This gift, in excess of a million dollars, supports an initiative within the BAC Summer Academy to address the deficiencies and disparities in demographic diversity within the design professions.

Please note: BAC Summer Academy does not offer residency or meal plan options at this time. Transportation during program hours is provided, but transportation to and from the BAC is the responsibility of the student. Directions to the BAC can be found by clicking [here](#) or visit the [MBTA website](#) for further information on planning your trip.

To learn more about BAC Summer Academy, click on the related links at the right, attend an Information Session on February 27, 2010 at 10am, or contact the Continuing Education Department at 617.585.0101 or summer@the-bac.edu

Boston Architectural College
Continuing Education
320 Newbury Street
Boston, MA 02115
phone 617-585-0101
fax 617-585-0121
email summer@the-bac.edu
web <http://www.the-bac.edu/summer>

The Boston Harbor

Summer Youth Programs

http://www.tbha.org/programs_education.htm#Summer%20Youth%20Programs

The Boston Harbor Association provides unique opportunities for inner city youths to learn about Boston Harbor during the summer months. TBHA introduces inner city youths to the natural resources and recreational opportunities that Boston Harbor and the Harbor Islands have to offer. These trips broaden youths' understanding of the Boston Harbor Project, the natural resources of the Harbor, and merchant marine issues related to Boston Harbor through experiential, hands-on education.

The Boston Harbor Association provides free trips for youth to Georges Island. These unique trips include a discussion of the Boston Harbor Project, an introduction to the diverse marine species living in and around the Harbor, and a discussion about the environmental issues that are affecting the local region. Participants explore the islands with TBHA staff, and go on guided tours by state rangers, who described the historical and sociological past of the Island, as well as its natural history.

Some of the many local organizations which participated in the summer programs include: Blue Hills Boys and Girls Club in Dorchester, Eagle Eye Institute in Somerville, Orient Heights Youth on the Rise in East Boston, the Boys and Girls Club of South Boston, Patriot Trails Girl Scouts Council of Boston, Project Life in Roxbury, Hyde Park YMCA, Walter Denny Youth Center in Dorchester, Roxbury Boys and Girls Club, Shelburne Community Center in Roxbury, Mission Pride of Roxbury, Malden YWCA Girls in Action, Chelsea Boys and Girls Clubs, and the YMCA of Greater Boston.

Since the opening of Spectacle Island in summer 2006, TBHA has organized free cruises to the island for urban youth groups. During the inaugural season of the new Camp Harbor View on Long Island in 2007, TBHA provided unique workshops on the history and the environmental aspects of the islands. Participation is free of charge and available to youth groups on a first come, first serve basis.

TBHA teaches young people to respect Boston Harbor and instills a sense of long-term stewardship of the Harbor, the Islands, and local natural resources through a combination of educational and recreational activities. For more information about summer programs, please contact TBHA at 617-482-1722.

Building A Presence for Science in Massachusetts

www.nsta.org/sciencematters

MassBaP is changing its name!! As per NSTA, Building A Presence for Science is now known as Science Matters. I will continue to include “MassBaP” with the title, however, as this is what we have used since 2003. Just be aware that when you see or hear “Science Matters” it means MassBaP. Go to nsta.org/sciencematters and click on “Teachers” to go to the BaP homepage.

DuPont Challenge© Science Essay Competition: The 24th annual DuPont Challenge© Science Essay Competition is underway and is accepting entries now through **January 31, 2010**. Designed to inspire young people to excel in scientific writing, the competition invites students in 7th through 12th grade to research and write a 700- to 1,000-word essay about a scientific discovery, theory, event or technological application that has captured their interest. Essays are judged on mechanics and conventions; ideas and content; organization; style and creativity; and voice. Winners receive savings bonds up to \$5,000 and an expenses paid trip to Walt Disney World and the Kennedy Space Center. The program also rewards the unique contributions of the teachers of the winning students with trips with winners, \$500 education grants, and sponsorship to attend the 2011 NSTA National Conference on Science Education in San Francisco. Created to honor the Challenger astronauts, this competition is a great way to get students to push the limits of imagination and discovery. For more information on classroom use and the competition, visit the [DuPont Challenge website](#).

A Chance to Learn From an Astronaut: Educator and NASA Mission Specialist Dottie Metcalf-Lindenburger is preparing for her Spring 2010 spaceflight aboard space shuttle Discovery, destined for the International Space Station. Educational themes for her live, in-flight education downlinks during mission STS-131 will include robotics and attracting and retaining girls in STEM disciplines. During the downlink, to be broadcast live on NASA TV, educators and students will be able to ask questions and receive answers from her and selected crew members about what it is like to live and work in space. (Read more about the mission and related education activities at www.nasa.gov/education/robotics.)

U.S. formal and informal education institutions and organizations—individually or as a group—can apply to host downlinks. NASA will give preference to organizations capable of attracting large numbers of participants. To learn more, e-mail JSC-TFS-STIS-131@mail.nasa.gov. The deadline for submitting a proposal is **January 6, 2010**.

NSTA Three Top Biology Books for Educators: NSTA’s new titles will round out any teacher’s professional development library. [Hard-to-Teach Biology Concepts](#) for high school teachers is a well-researched text that offers five case studies on tough topics—Meiosis and Variation, Photosynthesis, Natural Selection, Proteins and Genes, and Environmental Systems and Human Impact.

Every biology teacher should have a copy of the new edition of [The Biology Teacher’s Handbook](#). This title will guide you through teaching inquiry at varying levels, provide tactics for handling controversial subjects, offer ways to promote scientific discussion, and suggest appropriate materials.

Just for college biology teachers, [40 Inquiry Exercises for the College Biology Lab](#) has classroom-ready exercises for students; the instructor and preparatory notes for each of the 16 units can be revised to fit a range of course formats and class levels. Every unit has summaries that indicate the intended audience, model, questions, major concepts, and prior skills and knowledge needed.

Montana State University Offers Free Lesson Plans and Alternative Energy Interactives:

Science teachers can access free lesson plans and download alternative energy interactives through Montana State University's National Teachers Enhancement Network (NTEN). Lesson plans cover all grade levels with topics in Earth science, physical science, life science and space science, including multicultural science lessons developed by Native American teachers, and lessons on rocketry and physics written by a science teacher working with

NSF-EPSCoR faculty at MSU. The "Hydrogen and the Environment" website explains the connection between Yellowstone National Park and the quest for alternative fuels, including videos, student profiles and images, along with free downloads: an interactive map of Yellowstone microbes and an animation of how hydrogen is produced. Visit eu.montana.edu/nten and click on Professional Resources.

Join National Lab Day!

Looking for help with your science fair, or with a lesson, or maybe someone to host a field trip, advise an after-school program, help with a hands-on activity, or supply some cool lab equipment? Wouldn't it be great to have a scientist or engineer come speak to your kids about their work?

You can make it happen through National Lab Day (NLD). At the [NLD website](#) you simply sign up then submit your idea for a project (or what you need in your classroom) and the website matches your request with a local volunteer (a university STEM student, local scientists, engineers, STEM professionals and other members of the community) who has also joined the NLD hub.

President Obama announced the initiative just before Thanksgiving, and science teachers across the United States have enthusiastically responded!

[Read some project requests teachers have already made on the NLD website](#)

[Learn more and sign up your project for National Lab Day](#)

Various Boston Programs – Boston Navigator

<http://www.bostonnavigator.org>

Program	Organization	Address	Days	Time	Summer	Fee
High School Outreach	Boston Gay Men's Chorus High School Outreach Program	PO Box 1390 -- (617) 542-7464	SuMTWTFSa	EVE	No	No
High School Honors Program *	Boston University Pre-College and Youth Summer Programs High School Honors Program	755 Commonwealth Avenue, Room 105 Fenway/Kenmore (617) 353-1378	SuMTWTFSa	WKND	Yes	Yes
Summer Challenge *	Boston University Pre-College and Youth Summer Programs High School Honors Program	755 Commonwealth Avenue, Room 105 Fenway/Kenmore (617) 353-1378	SuMTWTFSa		Yes	Yes
Arabic Summer Academy *	BPS, Charlestown High School Arabic Summer Academy	240 Medford Street Charlestown (617) 395-2600	SuMTWTFSa		Yes	No
East Boston High School Jets Hockey Program *	BPS, East Boston High School East Boston High School Jets High School Hockey Program	86 White Street East Boston (617) 635-9896	SuMTWTFSa	AFT, EVE, WKND	No	No
Boys Junior Varsity Soccer *	BPS, O'Bryant School of Math and Science O'Bryant High School Soccer	55 Malcolm X Blvd. Roxbury (781) 864-0848	SuMTWTFSa	AFT, WKND	Yes	No
Boys Varsity Soccer *	BPS, O'Bryant School	55 Malcolm X Blvd.	SuMTWTFSa	AFT,	Yes	No

	of Math and Science O'Bryant High School Soccer	Roxbury (781) 864-0848		WKND		
Girls Junior Varsity Soccer *	BPS, O'Bryant School of Math and Science O'Bryant High School Soccer	55 Malcolm X Blvd. Roxbury (781) 864-0848	SuMTWTFSa	AFT, WKND	Yes	No
Girls Varsity Soccer *	BPS, O'Bryant School of Math and Science O'Bryant High School Soccer	55 Malcolm X Blvd. Roxbury (781) 864-0848	SuMTWTFSa	AFT, WKND	Yes	No
Celebrate Shakespeare High School Internship *	Citi Performing Arts CenterSM Celebrate Musical Theatre High School Internship 2009	270 Tremont St Downtown (617) 532-1221	SuMTWTFSa	EVE	Yes	No
City Spotlights High School Internship Program *	Citi Performing Arts CenterSM Citi Performing Arts Center's Education Department	270 Tremont St Downtown (617) 532-1221	SuMTWTFSa	AFT, EVE	No	No
City Spotlights High School Internship *	Citi Performing Arts CenterSM City Spotlights High School Internship	270 Tremont Street Downtown (617) 532-1221	SuMTWTFSa	AFT	No	No
Junior Varsity Baseball *	English High School High School Baseball	144 McBride St. Jamaica Plain (617) 306-6442	SuMTWTFSa	AFT	No	No
Varsity Baseball *	English High School High School Baseball	144 McBride St. Jamaica Plain (617) 306-6442	SuMTWTFSa	AFT	No	No
Project Success: Opening the Door to Biomedical Careers/High School *	Harvard Medical School Office for Diversity and Community Partnership Project Success: Opening the Door to Biomedical Careers/High School (Summer)	164 Longwood Avenue 2nd Fl Mission Hill (617) 432-4697	SuMTWTFSa		Yes	No
Hawthorne After-School Program and Out of School Activities for Middle and High School	Hawthorne Youth and Community Center, Inc. Hawthorne After-	9 Fulda Street Roxbury (617) 427-0613	SuMTWTFSa	AFT, EVE, WKND	No	Yes

Students *	School Program					
Spring HSSP *	MIT Educational Studies Program High School Studies Program (HSSP)	84 Massachusetts Avenue, Room W20-467 Outside Boston (617) 253-4882	SuMTWTFSa	WKND	No	Yes
Summer HSSP *	MIT Educational Studies Program High School Studies Program (HSSP)	84 Massachusetts Avenue, Room W20-467 Outside Boston (617) 253-4882	SuMTWTFSa	WKND	Yes	Yes
Summer Tennis & Reading Program - English High School *	Tenacity Summer Tennis & Reading Program	Union Avenue & Washington Street Jamaica Plain (617) 562-0900 ext:27	SuMTWTFSa		Yes	Yes
Gear Up 11th & 12th Grade- East Boston High School *	The Education Resources Institute (TERI) Gear Up	86 White Street East Boston (617) 561-9600	SuMTWTFSa	WKND	No	No
Gear Up 9th & 10th Grade- East Boston High School *	The Education Resources Institute (TERI) Gear Up	86 White Street East Boston (617) 561-9600	SuMTWTFSa	WKND	No	No
TERI Talent Search- East Boston high School *	The Education Resources Institute (TERI) TERI Talent Search	86 White Street East Boston (617) 635-9896 ext:104	SuMTWTFSa		No	No
Summer Archaeology Institute for High School Students	Wakefield Charitable Trust Summer Archaeology Institute	1465 Brush Hill Road Outside Boston (617) 333-0924	SuMTWTFSa		Yes	No

*Indicates that the course location offers handicap access

Various Programs – Planet Edu (sort this)

<http://www.planetedu.com/search/highschoolprograms/Boston/MA/United/States>

Related Search Results: 1. [Boston - Discover a Summer of Music at Berklee](#): Boston, United States

Join music students from all over the world for a summer semester in Boston.

2. [Boston - High School General Honors Program](#): Boston, United States

Boston University High School Honor Program is a six-week program for rising high school seniors (current high school juniors).

3. [Boston - Boston University Summer Challenge Program](#): Boston, United States

Boston University Summer Challenge Program is a two-week, college preparatory program for current high school freshmen, sophomores, and juniors

4. [Boston - High School Research Internship Science and Engineering](#): Boston, United States

BOSTON UNIVERSITY's Research and Internship program is a six-week program for rising high school seniors (current high school juniors).

5. [Boston - General](#): Boston, United States

Embassy CES General English courses provide a base for your studies, helping you to develop an all-around understanding of the language.

6. [Boston - Business of Music Program](#): Boston, United States

The Music Business/Management Department presents a summer workshop which focuses on music business and e-commerce for bands and artists.

7. [Boston - Summer Music Performance Program](#): Boston, United States

At the five-week Summer Performance Program, you will be immersed in all aspects of performance.

8. [Boston - Summer Guitar Sessions Program](#): Boston, United States

Whether you're new to the guitar or a player looking for new ideas; whether you play acoustic folk, blues, classic rock, contemporary rock, funk, ...

9. [Boston - World Percussion Festival Program](#): Boston, United States

Whether you are new to world percussion or a player looking for new ideas; whether you are a hand percussionist, a drum set specialist, or an ...

10. [Boston - Music Production Workshop Program](#): Boston, United States

Do you know what it really takes to make and sell your own recordings? Are you realizing the potential of your computer? Want to find out how ...

11. [Boston - Summer Songwriting Workshop Program](#): Boston, United States

Could you use some help developing your melodic inspirations into musical works? Do you have sentiments that you just can't find the right lyrics ...

12. [Boston - Bicycle touring trips](#): Boston, United States

2-8 week bicycle-touring trips for high-school level; trips offered in Vermont, Maine, New Hampshire, Cape Cod, the Pacific Northwest, cross-country .

13. [Boston - Summer Saxophone Weekend Program](#): Boston, United States

If you want to develop your abilities in improvisation, group playing, technique, and performance, this is the weekend for you.

14. [Boston - Basslines Program](#): Boston, United States

Would you like your Basslines to groove? Swing? Rock? Whether you play four strings standing up or six strings sitting down, acoustic or electric, ..

15. [Boston - Mallet Keyboard Festival Program](#): Boston, United States

Whether you are new to marimba, vibraphone, or orchestral mallet or a player in search of new ideas; whether you are a drum corps mallet keyboardist,

16. [Boston - Summer Brass Weekend Program](#): Boston, United States

You are invited to join fellow brass players for a weekend of study with Berklee's renowned brass faculty.

Other helpful websites

Boston Youth Zone (jobs, volunteering, summer school)

<http://www.bostonyouthzone.com/summer/jobsvolunteering.asp>

MATH Programs around the country

<http://www.ams.org/employment/mathcamps.html>

ALL GIRLS/ALL MATH

Location: University of Nebraska-Lincoln, *Lincoln, NE*

Web site: <http://www.math.unl.edu/programs/agam>

AwesomeMath Summer Program

Location: University of Texas at Dallas, *Dallas, TX* and University of California at Santa Cruz, *Santa Cruz, CA*

Web site: <http://www.awesomemath.org>

Canada/USA Mathcamp

Location: Mathematics Foundation of America, *Location varies*

Web site: <http://www.mathcamp.org/>

CCNY Scholars Program

Location: City College of the City University of New York

Web site: none

COSMOS: California State Summer School for Mathematics and Science

Location: University of California *4 campus locations - UC Davis, UC Irvine, UC Santa Cruz, UC San Diego*

Web site: <http://www.ucop.edu/cosmos/>

GEMS Camp (Girls Experiencing Mathematics in the Summer)

Location: University of St. Thomas, *St. Paul, MN*

Web site: <http://www.stthomas.edu/gemscamp>

Hampshire College Summer Studies in Mathematics (HCSSiM)

Location: Hampshire College, *Amherst, MA*

Web site: <http://www.hcssim.org> and <http://www.ypl7.org>

Institute of Technology Center for Educational Programs

Location: University of Minnesota, *Minneapolis, MN*

Web site: <http://www.itcep.umn.edu>

LSU MathCircle Summer Enrichment Program

Location: Louisiana State University, *Baton Rouge, LA*

Web site: <https://www.math.lsu.edu/dept/mathcircle>

MathPath (Ages 11 - 14)

Location: Mathpath, *Location varies*

Web site: <http://www.mathpath.org>

Math Summer Programs and Math Camps on College Campuses in New York State

Location: Various locations, *New York State*

Web site: <http://www.summeroncampus.com/main/ActivityProgramsList.asp?CategoryID=6>

Math Zoom Summer Camp

Location: University of California, *Los Angeles*

Website: <http://www.mathzoom.org>

Michigan Math and Science Scholars

Location: University of Michigan, *Ann Arbor, MI*

Web site: <http://www.math.lsa.umich.edu/mmss>

Program in Mathematics for Young Scientists (PROMYS)

Location: Boston University, *Boston, MA*

Web site: <http://www.promys.org>

Puerto Rico Opportunities for Talented Students in Mathematics (PROTaSM)

Location: University of Puerto Rico, Mayaguez, *Mayaguez, PR*

Web site: <http://ifem.math.uprm.edu>

Research Science Institute (RSI)

Location: Massachusetts Institute of Technology, *Cambridge, MA*

Web site: <http://www.cee.org>

Ross Mathematics Program

Location: Ohio State University, *Columbus, OH*

Web site: <http://www.math.ohio-state.edu/ross/>

Rutgers Young Scholars Program in Discrete Mathematics

Location: Rutgers University-New Brunswick, *Piscataway, NJ*

Web site: <http://dimacs.rutgers.edu/ysp/>

Science and Engineering Apprenticeship Program (SEAP)

Location: Various locations (see web site)

Web site: <http://www.gwseap.net/seap.asp>

SMaRT Camp (Summer Mathematics Research Training)

Location: Texas A&M University, *College Station, TX*

Web site: <http://www.math.tamu.edu/outreach/Camp/>

Stanford University Mathematics Camp (SUMaC)

Location: Stanford University, *Stanford, CA*

Web site: <http://math.stanford.edu/sumac>

Stony Brook Mathematics Camp

Location: State University of New York (SUNY) at Stony Brook, *Stony Brook, NY*

Web site: <http://www.stonybrook.edu/cesame/students/MathCamp/mathcamphs.shtml>

Students in Mathematics and Training Research (SMART)

Location: Hampton University, *Hampton, VA*

Web site: none

Summer Explorations and Research Collaborations for High School Women (SEARCH)

Location: Mount Holyoke College, *South Hadley, MA*

Web site: <http://www.mtholyoke.edu/proj/search/>

Summer Institute for Mathematics at the University of Washington (SIMUW)

Location: University of Washington, *Seattle, WA*

Web site: <http://www.math.washington.edu/~simuw>

SummerMath

Location: Mount Holyoke College, *South Hadley, MA*

Web site: <http://www.mtholyoke.edu/proj/summermath/>

Summer Math Institute

Location: *University of North Texas, Denton, TX*

Web site: <http://www.tams.unt.edu/academics/smi/SMI2009.shtml>

Summer Mathematics Institute

Location: Oakland University, *Rochester, MI*

Web site: <http://www.math.oakland.edu/ousmi.html>

Summer Mathematics Program for High School Students

Location: University of Utah, *Salt Lake City, UT*

Web site: <http://www.math.utah.edu/hsp>

Texas State University Honors Summer Math Camp

Location: Texas State University, *San Marcos, TX*

Web site: <http://www.txstate.edu/mathworks>

UCLA Mathematics Institute for Young Scholars

Location: University of California, Los Angeles, *Los Angeles, CA*

Web site: <http://www.curtiscenter.math.ucla.edu/k12.html>

UConn Mentor Connection

Location: University of Connecticut, *Storrs, CT*

Web site: <http://www.gifted.uconn.edu/mentor/>

Women in Mathematics - SWIM Princeton

Location: Princeton University, *Princeton, NJ*

Web site: <http://www.math.princeton.edu/SWIM>

<http://www.fastweb.com/content/college-scholarships> - Abbey Road Overseas Programs These summer immersion programs for high school students facilitate cross-cultural understanding. Students spend several weeks in either Spain, France or Italy, where they will undergo intensive language immersion and travel to historic sites. The French and Spanish homestay programs focus on linguistic and cultural immersion, while the pre-college programs in Cannes, France, and Florence, Italy, have a greater emphasis on academics (culture, history, art, literature, etc) and take place on college campuses.

<http://www.fastweb.com/content/college-scholarships> - Academic Connections at the University of California – San Diego In this three-week program, students immerse themselves in study of a particular academic subject. Options include: engineering, biomedical sciences, humanities/arts, marine sciences, media/ communication, mathematics/economics and social sciences/law. Participants must be in high school and have a minimum GPA of 3.3.

<http://www.fastweb.com/content/college-scholarships> - American Collegiate Adventures American Collegiate Adventures offer two-, three- and six-week summer programs at the University of Wisconsin in Madison. Students enroll in two college-level courses and take them either for college credit or personal enrichment. American Collegiate Adventures also offers a four-week program in Spain.

<http://www.fastweb.com/content/college-scholarships> - Bentley College – Camp Bentley Bentley College, located in Waltham, Massachusetts, offers a one-week residential summer program for students entering the 10th, 11th and 12th grades – “Wall Street 101” and “Leadership Institute”. Within a fun and interactive setting, the programs offer students an opportunity to learn about careers in business.

<http://www.fastweb.com/content/college-scholarships> - California State Summer School for Mathematics and Science This four-week residential program gives high school students a chance to take university-level math and science courses at one of three University of California campuses – Santa Cruz, Davis or Irvine. Students live in campus housing with other program participants. Full and partial scholarships are available. Carnegie Mellon University – Summer Academy for Mathematics and Science (SAMS) This six-week program gives incoming high school juniors and seniors an opportunity to take part in hands-on projects as well as classroom instruction in computer science, engineering and science. There are no tuition, housing or dining fees for this program.

<http://www.fastweb.com/content/college-scholarships> - Columbia College of Chicago This program is for students who have a serious interest in the fine arts, performing arts, media arts or communication arts. Participants will choose from a selection of courses and earn 1-3 college credits. The program culminates a showcase, in which students share their finished work in a day of performances and exhibits. The program is open to current high school sophomores, juniors and seniors.

<http://www.fastweb.com/content/college-scholarships> - Concordia Language Villages Concordia Language Villages is a world language and culture education program. Their mission is to prepare young people for responsible citizenship in the global community. With an annual enrollment reaching 9,500, Concordia Language Villages draws young people from every state and several countries. Villagers may choose from 12 world language programs: Chinese, Danish, English, Finnish, French, French Voyageur, German, Japanese, Korean, Norwegian, Russian, Spanish, Italian or Swedish.

<http://www.fastweb.com/content/college-scholarships> - Cornell University – Summer Programs for High School Students High school students take Cornell courses for credit, live on campus, explore academic and career opportunities and learn what college is all about. Some courses may be taken for academic credit.

<http://www.fastweb.com/content/college-scholarships> - Duke University's Pre-College Program Part of Duke University's Talent Identification program, Duke's Pre-College Program offers small classes taught by Duke University faculty and a residential life program. Intensive, fast-paced courses are offered in the humanities, social sciences, natural sciences, mathematics and computer sciences.

<http://www.fastweb.com/content/college-scholarships> - Harvard Summer School Secondary School Program (SSP) Every summer approximately 1,000 high school students who have completed their junior or senior year spend eight weeks at Harvard University. (A limited number of sophomores are also accepted.) Living and learning with students from all areas of the United States and more than 90 countries around the world, SSP students take courses and earn college credit.

<http://www.fastweb.com/content/college-scholarships> - Indiana University – High School Journalism Institute The High School Journalism Institute is designed for high school students interested in journalism. Participants examine the role of the media, analyze their own and other student publications and develop the skills needed to produce quality publications. Faculty members from Indiana University and guest lecturers from around the country guide student courses of study.

<http://www.fastweb.com/content/college-scholarships> - Miami University of Ohio – Junior Scholars Program The Junior Scholars Program is a six-week summer term for academically talented high school students. The Program provides a total collegiate experience, including courses for college credit, residence hall life, planned recreation programs and co-curricular seminars. Junior Scholars also receive scholarships in recognition of their scholastic achievements.

<http://www.fastweb.com/content/college-scholarships> - Mathcamp Mathcamp is an intensive five-week summer program in which students receive dedicated instruction in various principles of mathematics. The program offers courses, problem-solving sessions and lectures by leading mathematicians. The program is open to high school and junior high students ages 13 to 18. A qualifying quiz is required of all applicants.

<http://www.fastweb.com/content/college-scholarships> - National Youth Science Camp The National Youth Science Camp is an intense month-long camp for young scientists the summer after high school graduation. In a rustic setting, students from around the country are challenged in lectures, hands-on studies and an extensive outdoor program. Two students from each state are invited by their governor to participate in this all-expenses-paid program.

<http://www.fastweb.com/content/college-scholarships> - New York Film Academy's High School Workshop These immersion workshops range from four-week programs to full-year programs. They are designed to introduce students to the creative and technical demands of telling stories with moving images. Students have the opportunity to write, direct, shoot and edit short films. Award-winning instructors, abundant equipment and small classes provide students with the individual attention and support necessary to complete their own work.

<http://www.fastweb.com/content/college-scholarships> - Rhode Island School of Design Pre-College Program The six-week RISD summer Pre-College Program introduces high school students to the focused curriculum of a college of art and design. Students live in residence halls, attend social activities and study a particular subject in the fine or visual arts. Participants must be high school students between the age of 16-18 years old.

<http://www.fastweb.com/content/college-scholarships> - Summer Study Programs The Summer Study Programs at Penn State University, University of Colorado at Boulder, and The American University of Paris combine academically challenging courses with the experience of campus life. Students completing 9th, 10th or 11th grade can choose from several programs: three and one-half-week

Summer Enrichment or six-week college credit Summer Study Program at Penn State University; a three-week enrichment program (no credit) or five-week college credit program at The American University of Paris; or a five-week college credit program at the University of Colorado at Boulder.

<http://www.fastweb.com/content/college-scholarships> - Summer Science Program (SSP) – Ojai, California The Summer Science Program in Ojai, California, exposes selected high school students to advanced topics in mathematics, astronomy and space science. SSP challenges its students to calculate the orbit of an asteroid using their own direct telescopic observations.

<http://www.fastweb.com/content/college-scholarships> - Telluride Association Summer Programs (TASP) TASP is a six-week educational experience for high school juniors. Students participate in seminars led by college and university members and participate in educational and social activities outside the classroom. Telluride Association seeks students from all kinds of educational backgrounds who demonstrate intellectual curiosity and motivation. Telluride Association Summer Programs are free; every student awarded a place in a TASP attends the program on a full housing, dining and tuition scholarship.

<http://www.fastweb.com/content/college-scholarships> - Tufts Summer High School Program Since 1982, Tufts has attracted top-caliber high school students who wish to spend their summers pursuing academic excellence and social maturity. Tufts programs are kept small so students receive individual attention from instructors. Two different programs are offered: Tufts Summit (Talloires, France) and Tufts Summer Study (Medford/Boston).

<http://www.fastweb.com/content/college-scholarships> - University of Chicago – The Young Scholars Program The University of Chicago offers an enrichment program in mathematics for Chicago Public School students. Students attend daily seminars given by University professors and solve mathematics problems based on these seminars. Topics include number theory, geometry and probability. Students also learn computer skills. Tuition is free for those accepted.

<http://www.fastweb.com/content/college-scholarships> - University of Dallas Summer Study in Europe The University of Dallas' programs use European travel to stimulate careful reading, writing and thinking about life's most serious questions. Courses are led by experienced University faculty and staff.

<http://www.fastweb.com/content/college-scholarships> - University of New Hampshire Upward Bound Summer Program During their six-week summer program, students live on the campus of the University of New Hampshire and take five classes in the following areas: math, science, English, electives and "success studies" (SAT prep, study skills, etc). Small classes are designed to inspire excitement about academics and give students a head start on college.

<http://www.fastweb.com/content/college-scholarships> - University of Pennsylvania Programs for High School Students Penn's summer programs combine rigorous classroom and lab work with a wide range of social activities, trips and tours. Opportunities are available for residential students, commuting students and distance learners. Each of Penn's summer programs for high school students offers a college-level experience that smoothes the transition from high school to college.