STEM

Science
Technology
Engineering
Math

Summer
Programs at Penn

For School District of Philadelphia middle and high school students

The University of Pennsylvania is looking for talented and motivated Philadelphia public school students to attend STEM programs this summer. Scholarships are available based on need in most cases. Please use the information assembled in this flyer to encourage potential participants to apply, and use websites mentioned for details on individual opportunities.

Find us online

🌐 www.sas.upenn.edu/**STEMoutreach**

✉ **STEMoutreach**@sas.upenn.edu

🐦 @PennSASSOI

* Grade Level Eligibility refers to grade level <u>completed.</u>

DATES
June 27-July 8; orientation on June 4
APPLICATION DEADLINE
March 15
GRADE LEVEL ELIGIBILITY
9th — 11th

Summer Institute in Archaeological Science
Penn Museum
The 12 high school students in the SIAS will explore the essential heritage of human technology related to archaeology. Through lecture, discussions and hands-on activities, participants will become familiar with the collections as well as scientific methods used to study materials.

www.penn.museum/teachers-and-students/k-12-educators/teen-programs/1025-summer-institute-in-archaeological-science

DATES
June 27-August 12
APPLICATION DEADLINE
March 15
GRADE LEVEL ELIGIBILITY
9th — 11th

Teen Research and Education in Environmental Science
Perelman School of Medicine, Center of Excellence in Environmental Toxicology
TREES provides opportunities for 8 high school students to work one-on-one with mentors on environmental research projects they chose and design. Support continues during the school year, when many students enter their work in science fairs. (**Email of intent to mytrees@mail.med.upenn.edu must be received first).

ceet.upenn.edu/training-career-development/summer-programs/teen-research-and-education-in-environmental-science/

DATES
July 3-23
APPLICATION DEADLINE
May 15
GRADE LEVEL ELIGIBILITY
9th — 11th

Penn Summer Science Academies
School of Arts and Sciences
The 5 PSSA programs — Biomedical, Chemistry, Experimental Physics, Mathematics and Neuroscience — are academically rigorous, subject intensive programs fusing traditional classroom instruction with experiential learning.

www.sas.upenn.edu/summer/programs/highschool

DATES
July 3-23
APPLICATION DEADLINE
March 18 (priority), May 13 (general)
GRADE LEVEL ELIGIBILITY
9th — 11th

Engineering Summer Academy at Penn
School of Engineering and Applied Sciences
Combining sophisticated theory with hands-on practical experience in cutting-edge technologies, the ESAP offers 6 different courses — Biotechnology, Computer Graphics, Computer Science, Engineering Complex Networks, Nanotechnology, and Robotics.

esap.seas.upenn.edu/courses/

DATES
July 5-29
APPLICATION DEADLINE
April 15
GRADE LEVEL ELIGIBILITY
9th — 10th

Summer Mentorship Program
Division of the Vice President for University Life
Students in the SMP partner with Penn's professional schools of Dental, Medicine, Nursing, Engineering, and the Perelman School of Medicine to gain first-hand experience in STEM disciplines and explore a variety of academic and career opportunities.

www.vpul.upenn.edu/eap/smp

DATES
July 5-29
APPLICATION DEADLINE
April 15
GRADE LEVEL ELIGIBILITY
10th — 11th

Penn Summer Science Initiative
Laboratory for Research on the Structure of Matter
Students with a strong interest in materials science and engineering attend lectures, participate in experiments, use a computer lab, and go on field trips to Penn facilities as well as industrial sites.

www.lrsm.upenn.edu/outreach/pssi

DATES
July 25-29
APPLICATION DEADLINE
April 1
GRADE LEVEL ELIGIBILITY
6th — 8th

Girls in Engineering Math and Science Camp
School of Engineering and Applied Sciences
During a week of hands-on science, math and engineering activities, girls in GEMS explore topics including bioengineering, nanotechnology, materials science, mechanical engineering, graphics, and computing.

www.seas.upenn.edu/awe/gems