

# 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.

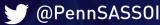
# Find us online





www.sas.upenn.edu/STEMoutreach





# Our Programs

DATES

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

DATES

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

DATES

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

DATES

July 3-23
APPLICATION DEADLINE

March 18 (priority), May 13 (general) GRADE LEVEL ELIGIBILITY 9th — 11th

**DATES** 

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

DATES

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

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

\* Grade Level Eligibility refers to grade level completed.



SAS Science Outreach Initiative

# 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

#### 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-environmen tal-science/

#### 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

### **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/

# **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

#### **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

# 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. <a href="https://www.seas.upenn.edu/awe/gems">www.seas.upenn.edu/awe/gems</a>