Summer STEM Programs at Temple University

**Greater Philadelphia STEM Center (GPSC) Summer Camp**
- Free program open to students entering grades 6, 7, and 8 in the Fall of 2023
- 2 Sessions to Choose From:
  - 6/19/23 to 7/13/23
  - 7/17/23 to 8/10/23
- Meets Monday through Thursday from 9am to 4pm each program week at Temple University
- Curriculum Focus: Big data, physical science, robotics, integrated STEM activities, and 3D printing

**STEM-UP Leadership Experience**
- Free program open to students entering grades 9, 10, 11, and 12 in the Fall of 2023
- Six-week program
  - 7/5/23 to 8/10/23
- Meets Tuesday through Thursday from 9am to 4pm each program week at Temple University
- Curriculum Focus: College preparatory coursework including physical science, life science, data/computer science, mathematics, and STEM projects (SEADAP, Drones, Laboratory projects)

**Transition to College: Ready, Set, STEM! (RSS) Program**
- Free program open to students entering grades 10, 11, and 12 in the Fall of 2023
- Six-week program
  - 7/5/23 to 8/10/23
- Meets Tuesday through Thursday from 9am to 5pm each program week at Temple University
- Curriculum Focus: Physical science, mathematics, and hypothesis driven authentic research experiences

Sponsored by

Apply Now!
[http://stem.cst.temple.edu/](http://stem.cst.temple.edu/)
GREATER PHILADELPHIA STEM CENTER (GPSC) SUMMER CAMP
Theme: STEM Makers Camp - Innovating and Developing Prototypes for Our Future
Curriculum Overview: We live in a global community, constantly changing and frequently challenging. For the challenges that currently exist and the changes that are sure to come, the US needs a nimble workforce of STEM innovators and entrepreneurs. To create and design new products, develop better devices, and make fully informed decisions, students need to understand the role of STEM and big data in the world. In this camp experience, students will use STEM content to support product design and improvement with specific attention to ROVs, gliders, and machines. Students will design and create prototypes while learning technologies that include digital die-cutting, 3D printing and laser printing. Data science applications will help students navigate the world of big data in which they live. Students will use data analytics to inform and study real STEM problems and challenges. Students will compete in a culminating STEM Challenge Day, racing robots and race cars, generating electricity, and more!

STEM-UP LEADERSHIP EXPERIENCE
Theme: Big data. Big STEM. Big ideas.
Curriculum Overview: The STEM-UP curriculum provides college preparatory, hands-on learning in the sciences. Some students will explore chemistry through laboratory investigations. Those studying the life sciences will engage in analyses of living systems, our coding and computer science will enable students to program drones and answer “big questions” using data science tools. Students will spend afternoons in science and technology projects including developing drone flights, understanding drug abuse through a planaria model, engaging in chemical synthesis or exploring optics, magnetism and electricity.

TRANSITION TO COLLEGE: READY, SET, STEM! (RSS) PROGRAM
Theme: Research Experience for Emerging Scholars
Curriculum Overview: Planning for college requires intense coursework in STEM as well as excellent reading and writing skills. This program will challenge students with math and chemistry coursework simply because mathematics and chemistry are gateway courses for many STEM majors. In addition, the program will emphasize analytical reading and writing in STEM areas. All courses will be taught at the college level with academic support at all levels. And most IMPORTANTLY, the RSS program will put theory into practice by engaging students in an authentic research experience. This authentic research will form the basis of a Junior Science and Humanities Symposium (JSHS) research submission for the Spring 2023 competition. Students will be able to continue their projects into the Fall and compete for scholarships in the JSHS research competition.

*******************************************************************************************

PARTICIPANT ELIGIBILITY (All Programs)
- Students must have an interest in science and mathematics
- Students must have at least a B average in science and mathematics courses
- Students must have a passing score on standardized science and mathematics tests
- Students must reside in the Greater Philadelphia Metropolitan Area

APPLICATION PROCESS (All Programs)
Parent/Guardian and student complete the online student application form located on the homepage of http://stem.cst.temple.edu/. Please note: In order to complete the online application parent/guardian and student will be asked to submit (1) student information, (2) parent/guardian information, (3) 250-word student-written essay, and (4) an copy of the student’s records.

Applications are due by MAY 15, 2023. You will receive notification on the status of the application no later than MAY 22, 2023. If you have questions or need additional information, please contact us at stem.ed@temple.edu.