

March 7, 2017

Dear Principal, Guidance Counselor, or Gifted Coordinator:

The College of Science and Technology at Millersville University is pleased to announce the 31st Annual Summer Science Training Program for academically talented students. The program will begin on July 11 and conclude on July 26, 2017. We will offer two three-hour workshops each Tuesday, Wednesday, and Thursday from 9:00 a.m. to 4:00 p.m. for three weeks (please note Wednesday, July 26 is the program's last day). The Summer Science Training Program has been well received by everyone involved, including students, parents, and teachers. **We encourage all academically talented students entering 8th through 12th grade in the fall of 2017 to include this stimulating and enriching mathematics, science and technology program in their summer schedule.**

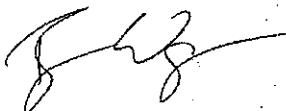
Two tracks of science and math workshops will be taught simultaneously, providing approximately 30 different workshops with about 15 students in each track. Millersville University mathematics, science and technology faculty and staff serve as instructors for these workshops. Students will be assigned a track appropriate to their skill level, based on their grade as of fall of 2017 and previous experience in the program, if applicable. The cost for the entire program is \$395 which covers instructional costs and supplies. Students are responsible for bringing their own lunches.

Please share the information in the enclosed program brochure with your students. Applications can be downloaded from the SSTP web site at <http://www.millersville.edu/sstp/admissions.php>. To apply for admission to the program the student, teacher, and guidance counselor should complete their respective section of the program application. The student is responsible for assuring that the entire application is submitted by the deadline. **The deadline for receipt of applications is Friday, May 12th.**

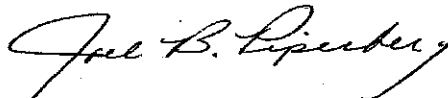
Students will be notified by the end of May of the status of their application. The program fee of \$395 will be payable only when students are notified of acceptance into the program; please do not send payment with the application.

If you have any questions, please refer to the program web site or contact the Dean's Office, College of Science and Technology, at 717-871-4292.

Sincerely,



Dr. Ryan Wagner
Professors of Biology
Summer Science Training Coordinators



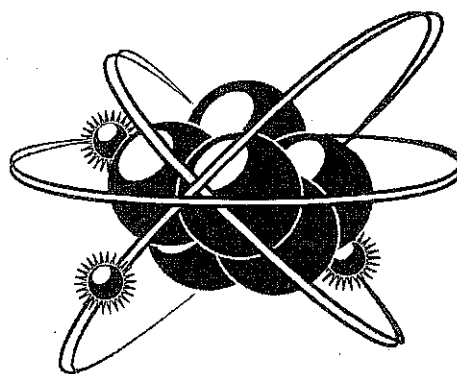
Dr. Joel B. Piperberg

Enclosure

SUMMER SCIENCE TRAINING PROGRAM

For Academically-Talented Secondary Students Entering 8th-12th Grade

The Millersville University College of Science and Technology is pleased to sponsor the 31st Annual Summer Science Training Program (SSTP). The program features intensive student/teacher interaction, advanced-level learning, and research and problem-solving experiences. The topics cover a wide range of academic disciplines in mathematics, science, and technology, providing students with learning opportunities not normally available at the pre-college level. With an emphasis on cooperative learning and intense personal involvement, the courses are stimulating, challenging, and enjoyable. The participants use the fully equipped labs and classroom facilities in the Argires Science Complex.



The Summer Science Training Program is one of four programs designed to stimulate interest in mathematics, science, and technology among academically talented pre-college students. The Glenna Hazeltine Women in Mathematics and Science Conference and the Math Contest are held annually each spring. The Millersville University Science Lectureship and Competition is an annual fall event that brings many elementary and secondary students to the University to gain exposure to science and career opportunities. The University encourages participation by young women, minorities, and other under-represented groups.

Millersville University

COLLEGE OF SCIENCE
AND TECHNOLOGY

P.O. Box 1002
Millersville, PA 17551
Phone: (717) 871-4292
www.millersville.edu/cst

SUMMER SCIENCE TRAINING PROGRAM

PROGRAM SCHEDULE

Two tracks consist of a series of three-hour workshops taught by faculty in the College of Science and Technology. These workshops are open to students entering 8th through 12th grade in the fall of 2017.

All tracks meet Tuesday, Wednesday, and Thursday, 9:00 a.m. to 4:00 p.m. on the following dates: July 11-13 and 18-20. During the final week, the tracks will meet Tuesday and Wednesday, July 25 & 26 from 9:00 a.m. to 4:00 p.m.

HOW TO APPLY

Application forms may be obtained by calling the Dean's Office, College of Science and Technology, at (717) 871-4292 between the hours of 8:00 a.m. and 4:30 p.m., or downloaded from our web site:

<http://www.millersville.edu/sstp/>

The three-part application form must be completed by the student (Part I), the student's guidance counselor (Part II), and a science or mathematics teacher (Part III) of the student. As part of the application process, the student will also be required to write a letter expressing interest in the program.

The student is responsible for assuring that the entire application is submitted by the deadline. Students who have previously participated in the program and who wish to be eligible for this year's program must re-apply.

Applications may be emailed to: Marianne.Frantz@Millersville.edu

DEADLINE FOR APPLICATION: FRIDAY MAY 12TH, 2017.

TUITION

A fee of \$395 per student will cover supplies and instructional costs (students are responsible for bringing their own lunches). The fee is payable only when the student is accepted into the program.

SUMMER SCIENCE TRAINING PROGRAM

TRACKS 1 & 2

Mathematics, Science, and
Technology Workshop
topics may include:

- Amazing Rat
- Battling Germs
- Breathing Mechanics
- Cognition
- Color Formation
- Computer Science Topics
- Corn Snake Genetics
- Disaster Management
- DNA
- Ethics
- Forensic Anthropology
- Fractals
- Game Theory
- Intro to Computers
- Nanotechnology
- Photosynthetic Marvels
- Photovoltaic Cells
- Physical Colors
- Physiological Effects of Alcohol
- Plants and Pigments
- Polymer Chemistry
- Pond Ecology
- Rat Studies
- Respiration
- Sports Medicine
- Statistics
- Teen Brain
- Vision

PAST FACULTY PARTICIPANTS

- Zachary Barton, MSE., Biology
- Joseph Bushey, Ph.D., Earth Sciences
- Dominique Didier, Ph.D., Biology
- Natalia Dushkina, Ph.D., Physics
- Todd Echterling, M.S., Computer Science
- Henry Fijalkowski, Athletics
- Rachel Fogel, Ph.D., Biology
- Cyril Foray, M.S., Biology
- Shawn Gallagher, Ph.D., Psychology
- Aaron Haines, Ph.D., Biology
- Brent Horton, Ph.D., Biology
- Valbona Hoxha, Ph.D., Biology
- Steven Kennedy, Ph.D., Chemistry
- William Kittleman, Ph.D., Chemistry
- Sharmin Maswood, Ph.D., Biology
- Jeremiah Mbindyo, Ph.D., Chemistry
- Erin Moss, Ph.D., Mathematics
- Michael Nolan, Ph.D., Physics
- Joel Piperberg, Ph.D., Biology
- Jack Sipe, Ph.D., Chemistry
- Rita Smith Wade-El, Ph.D., Psychology
- Cynthia Taylor, Ph.D., Mathematics
- Ryan Wagner, Ph.D., Biology