

Invent your future.



We're looking for tomorrow's

SCIENTISTS

ENGINEERS

AND

ZOOLOGISTS

PARTICIPATING SPARK SCHOOLS:

Alexander Wilson School

Folk-Arts – Cultural Treasures Charter School

Henry Lea School

Mariana Bracetti Academy Charter School

Sadie Tanner Mossell Alexander University of Pennsylvania Partnership School



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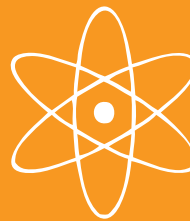
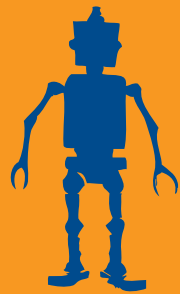
Project Partners:



Contact us at sparkscience@gmail.com

A SCIENCE ENRICHMENT PROGRAM FOR PHILADELPHIA MIDDLE SCHOOL STUDENTS

EVER WONDER...








Why some animals hibernate?

How forensic scientists can learn so much from a single hair?

How smart a robot can be?

PLUG INTO SPARK, AND WE'LL HELP YOU DISCOVER THE ANSWERS.

Join us, and you'll...

-  Solve real life problems you never thought you could.
-  Challenge yourself in science competitions.
-  Go on field trips to places where cutting-edge science is happening.
-  Work side-by-side with some of the best scientists in the region.
-  Meet other students just like you.

Best of all, you'll get your hands on science like never before. And along the way, you just may find out something new about yourself, too.

Interested in getting plugged into SPARK? Talk to your science teacher, your principal, or contact us at sparkscience@gmail.com.



COME TAKE ZOOLOGY, BIOTECHNOLOGY AND ROBOTICS

Designed specifically for middle-school students like you, SPARK offers a two-day-a-week after-school program at your school, along with Saturday sessions and a summer camp. SPARK focuses on three main areas: zoology, biotechnology and robotics. To start, choose the area that interests you the most.

Saturday sessions and summer camps are held at the University of Pennsylvania, the Science Center, and the Philadelphia Zoo. Here's what you can look forward to experiencing:

AT THE PHILADELPHIA ZOO

Be a Junior Zoo Intern

Work with keepers, veterinarians, nutritionists and other Zoo staff to learn how they care for the Zoo's nearly 1,600 animals.

Be a Junior Zoologist

What is a zoologist and what do they do? Roll up your sleeves and find out. Dissect owl pellets. Examine animal skulls. Care for baby terrapins.

AT THE SCIENCE CENTER/IPRAXIS

Take Biotech 101

Learn how biology and technology come together to make life better for everyone. Experiment with cells, work in food technology, and even perform forensics like a CSI detective.

Accept the Biotech Challenge

Learn how nature serves as a role model for engineering designs. Design a dental implant. Compete in the "Great Egg Drop." Simulate an oil spill clean-up using kits of different soil samples.

AT UNIVERSITY OF PENNSYLVANIA'S SCHOOL OF ENGINEERING AND APPLIED SCIENCE

Take the Engineering Workshop Series

Learn about robotics, computers, electronics, and software engineering. Figure out what makes gadgets tick, then build some for yourself.

Gear Up for H.O.T.

Experience Hands On Technology (H.O.T) and participate in design challenges in engineering, computer science, and computer graphics. Find out just how much you can do with computer codes.

