Science Research Mentoring Program

American Museum *of* Natural History

Member of the STEM PUSH Network, an NSF INCLUDES Alliance

In the Science Research Mentoring Program (SRMP), high school students get paid to learn how to conduct research by working directly with Museum scientists on an authentic research study. Every research project is different, covering topics from "Genetic basis of foraging in ogre-faced spiders" to "Weighing Stars: How do we know how heavy stars are?" to "What were the Maya eating 2,000 years ago?"

SRMP students learn technical skills as they conduct their research such as working with DNA in the lab, analyzing data from space-based telescopes, reading scientific articles, and learning to code and analyze data in Python and R. All students become part of a community and strengthen their teamwork, communication, presentation and writing.

SRMP emphasizes & develops several targeted outcomes, including:

- Critical thinking
- Confidence & agency
- STEM content & communication skills
- STEM identity & sense of belonging

Students create research posters and present their findings to the Museum community alongside research students from across the city, and develop videos and blog posts about their research to share with broader audiences.

About STEM PUSH

STEM PUSH, an NSF INCLUDES Alliance, is a national network of pre-college STEM programs who are engaging youth historically underrepresented in STEM to learn & do in-depth, authentic science, and ultimately to persist in STEM through college & beyond. More information available at stempushnetwork.org.

Program Features

STEM Research

Range of fields including astrophysics, zoology, conservation, anthropology, genomics, and zoology

250 program hours including 4 weeks over the summer and 2-3 afternoons per week during the school year

80-90% of participants are underrepresented in STEM

$2500 stipend

workshop series dedicated to understanding equity and inclusion related to scientific research

Program Results

99% of program participants attend college

Alum attend colleges including:

- Boston University
- City University of New York (CUNY) colleges
- Harvard
- NYU
- Stony Brook
- Yale

Connect with SRMP!

Contact srmp@amnh.org

Learn more at amnh.org/srmp

STEM PUSH NETWORK