

Summer 2018

Partners in Science

Scientists Mentoring Students

Participate in real-life scientific research!

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Application Deadline: March 1, 2018



Partners in Science Program Scientists Mentoring Students

Application Requirements

The following items are required to apply to the 2018 Partners in Science Program:

- Completed application;
- The applicant's most current academic transcript (as of due date);
- Two letters of recommendation from science or math teachers
- Responses to brief questions and essay (see application).

Eligibility Requirements

To be eligible for admission to the Partners in Science program, a student must:

- Return a completed application by March 1, 2018
- Complete 10th or 11th grade by June 2018
- Be fully available from June 28 - August 23, 2018
- Have a keen interest in science and technology;
- Possess a maturity level appropriate for a professional lab environment.

Application Deadline March 1, 2018

All application materials must be post-marked on or before March 11, 2016. To prevent a delay in processing, we suggest that all the materials be submitted in one package. All recommendation letters are to be submitted by March 1, 2018. Official Transcripts are to be brought to the interview.

Program Overview

Now in its 31st year, Liberty Science Center's Partners in Science program takes students beyond textbooks and school-based labs by immersing them in authentic scientific research conducted by professional scientists.

June 28 – August 23, 2016

What is Partners in Science?

An intensive, eight-week summer experience for high school juniors and seniors, the program pairs students with mentors in science, health, and technical fields and challenges them to participate in ongoing research and independent projects. Through Partners in Science, students are exposed to current questions driving scientific discovery in real laboratory settings. Additionally, they develop a network of advisors and lifelong connections that may help them identify and focus their career goals. Those accepted to Partners in Science receive a \$1000 stipend.

What subject can I research?

Opportunities vary from year to year, and available research options are not limited to specific areas. Research topics are dependent on the availability of research mentors. Students have studied such topics as:

Food Science	Ecology
Environmental Science	Physics
Microbiology	Genetics
Medicine and Health	Chemistry
Computer Science	Engineering
Materials Science	Biology
Mathematics	Astronomy

What is expected of students?

- Demonstrate a strong interest in science and technology, be active in school, and possess the appropriate maturity to work in a professional research environment.
- Commit to participating 40 hours a week for eight weeks (June 28 – August 23) and be able to get to and from the research facility.
- Attend Partners in Science orientation at Liberty Science Center on June 28.
- Attend workshops on (July 17 and August 7) to gain presentation, technical writing, and research skills.
- Present work to staff, peers, mentors, teachers, and parents during the final symposium on August 23.

Partners in Science Program Scientists Mentoring Students

What will happen after I apply?

Applications must be submitted by March 1, 2018. All students who submit completed applications will be interviewed at Liberty Science Center. The Interviews will take place on March 18, March 24, March 25 and March 31. Preliminary acceptance into the program is based on both the written application and the personal interview. Selected students will be assigned to an internship based on their interests, skills, and geographical location. Students will then meet with their prospective scientist-mentor to ensure compatibility. Once the mentor agrees to accept the student, final acceptance letters will be mailed.

On June 28, 2018, all accepted students must attend an orientation at Liberty Science Center to promote teamwork, refine lab skills, and familiarize with the program. At this time, students will have an opportunity to meet and interact with fellow program participants.

Between June 28 and August 23, students will:

- Work five days a week (**35-40 hours/week**) at their assigned research sites, under the supervision of the mentors and professional research staff. Each student will engage in new research, assist in ongoing research, or verify work already completed.
- Attend instructional sessions designed to enhance their career and presentation skills. Workshops focus on technical writing, effective oral presentations, and developing research skills. In addition, students work on their resume and learn how to use their research experience to strengthen college applications and enhance science fair projects. Workshops will take place on July 17 and August 7 at Liberty Science Center.

- Write a scientific paper on the topic with which they are involved, guided by scientist-mentors and Partners in Science staff.
- Present their work to peers, family, teachers, and mentors during the final symposium event on August 23, 2018.

2018 Program Timeline

- **March 1, 2018**
Completed applications due from students
- **March 18, March 24, March 25, or March 31**
Interviews at Liberty Science Center
- **April 18 – April 29**
Selected students interview with prospective mentors
- **Week of May 11**
Final acceptance letters mailed to students
- **June 28**
Mandatory orientation sessions at Liberty Science Center
- **June 28 – August 23**
Student research conducted at mentor's facility
- **July 17 and August 7**
Workshops at Liberty Science Center
- **August 23, 2018: 5pm – 9pm**
Final symposium event at Liberty Science Center

Dates are subject to change.

Admissions decisions are made without regard to race, color, gender, ethnicity, national origin, religion, creed, or disability.