

Earth Sciences High School Internships 2015

Deadline: March 22, 2015

This application is for Bay Area high school students who want to spend their summer working in Earth and environmental research labs. For information about this program, go to <https://pangea.stanford.edu/academics/outreach-programs/k12-programs/high-school-internships>

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FORMS

Educational Information - HS

1. **High School Name and City**
2. **What is your current grade level?**
3. **What year do you expect to graduate from high school?**
4. **What is your cumulative grade point average? 4.0 scale, unweighted**
We are NOT interested in your weighted GPA.
5. **Chemistry**
Please name the highest level course you have taken in this area, the grade level when you took the course, and the grade you earned. If you haven't taken a course in an area, write N/A
6. **Physics**
Please name the highest level course you have taken in this area, the grade level when you took the course, and the grade you earned. If you haven't taken a course in an area, write N/A.
7. **Biology**
Please name the highest level course you have taken in this area, the grade level when you took the course, and the grade you earned. If you haven't taken a course in an area, write N/A.
8. **Math**
Please name the highest level course you have taken in this area, the grade level when you took the course, and the grade you earned. If you haven't taken a course in an area, write N/A.
9. **Computer Science**
Please name the highest level course you have taken in this area, the grade level when

you took the course, and the grade you earned. If you haven't taken a course in an area, write N/A.

10. **Earth Sciences or Environmental Sciences**

Please name the highest level course you have taken in this area, the grade level when you took the course, and the grade you earned. If you haven't taken a course in an area, write N/A.

 **Program Choice and Commitment - HS**

There are two programs in the Earth Sciences internships. You must select which program you want to be considered for. In the General Program, interns are assigned to supervisor with placements all over the School of Earth Sciences, including at the Farm. In the History of Life Program, all interns will work on similar research projects to answer similar questions about body size evolution. Make sure you read about the expectations and opportunities in each program.

1. **Which program do you want to be considered for?**

If you are unsure of the expectations, please read the information on at <https://pangea.stanford.edu/academics/outreach-programs/high-school-internships/faq>

* This question may have follow-up questions.

2. **You have selected the general program. We want to know what areas of Earth sciences you are most interest in working. Please select up to three (3) of the following topics**

We use your interests when in the process of matching interns to supervisors. We generally have positions in most of these areas, but not always.

3. **Program Commitment: By submitting my application, I am making a commitment to fully participate in the Earth Sciences High School Internships.**

To acknowledge that you are committed, please check each box as you think about what you are committing to.

 **Essays and Question - HS**

We want to know more about you than just your test scores. These questions will help us decide if you are a good match for any of the internship positions this summer.

1. **Why you would like to an Earth sciences intern this summer? Tell us about your interest in science, especially Earth and environmental sciences. How do you think the internship will help you in ways other than getting into college?**

This is your chance to tell us about your passion for and accomplishments in science and math. Write about the classes, summer camps, research experiences, and math and science competitions, etc. that you have participated in. How have these experiences inspired you or will help you as an intern? We want to know about your interests and capabilities in science. Your essay should be about 400–800 words. This is the most important part of your application. Please upload the essay as in PDF format.

2. **Short Essay – choose one of the following questions and write a short essay about it. Up to 400 words. Please upload the essay as in PDF format.**

Write a short essay on a memorable lab experiment that you conducted. Discuss the initial stages as well as the real work and your final report.

OR

Write a short essay about your favorite place on Earth. Discuss your connection to the place and what scientific questions you have about it.

3. **What is your favorite science area? Why?**

 **DEMOGRAPHIC and CONTACT INFORMATION - HS**

1. **Date of Birth**

2. **Gender**

3. **Select an ethnic group you most closely identify with:**

You must select a group if you apply for the diversity honorarium (next page).

4. **Are you the first in your immediate family to attend college?**

(excluding your siblings)

5. **Citizenship**

We accept scholars who are US Citizens, Permanent Residents or DACA applicants who live in the San Francisco Bay Area. We do not accept anyone who does not fit these criteria.

6. **Cell Phone Number**

7. **Home Phone Number**

Diversity Honorarium - HS

For the diversity honorarium, students must meet at least TWO of these eligibility: (a) from an underrepresented group in science (Hispanic, African American, Native American, or Pacific Islander), (b) from a low-income household, or (c) plan to be the first in their family to attend college (from the page before). Eligibility also includes that the student must be legally entitled to work in US.

1. **Are you eligible for the diversity honorarium?**

2. **Are you from an underrepresented group in science (Hispanic, African American, Native American, or Pacific Islander)? If yes, which group?**

3. **Are you from a low-income household?**

4. **If you are from a low-income household and want to be considered for the diversity honorarium, what is your approximate annual household income?**

5. **How does being from a "diverse" group (underrepresented group in science or low income household) affect your view of yourself working in science? What are the challenges you foresee pursuing a career in science? How do you think your "diversity" affects your interest in or perspective of science?**

Please write an essay to address the above questions. This essay should be about 200–400 words. Upload a pdf named "Lastname_Firstname_diversity.pdf".

REFERENCES

You are required to have one recommendation letter submitted for you. Please provide the following information so that we can contact your teacher or mentor directly. She/he will be requested to upload a pdf of a letter of recommendation by March 29, 2015. You should talk to your teacher before you submit her/his name.

Please copy following into the message section:

I am applying for the Stanford Earth Sciences Internship. This is a summer internship where high school students spend 15–30 hours per week support on-going scientific research for 8 weeks. You can find out more at <https://pangea.stanford.edu/academics/outreach-programs/k12-programs/high-school-internships>.

The program requires a letter of recommendation that addresses the potential success as an intern in a science laboratory. Please provide information that describes my scientific strengths and weaknesses, my ability to work alone and in teams, my maturity, and my interest in Earth and environmental sciences.

Provide 1 reference.