

Summer High School Volunteer Program

2020 Handbook



We turn to the ocean to develop solutions for some of the planet's most pressing challenges.



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2020 High School Volunteer Program

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AltaSea at the Port of Los Angeles Summer High School Volunteer Program

Introduction

AltaSea at the Port of Los Angeles is poised to become the premier site where the best of science, business, and education come together to protect the oceans for future generations, while inspiring our youth and invigorating our economy. AltaSea is fortifying Los Angeles as the hub of the Blue Economy and, as a result, will find ocean-based solutions for mankind's most pressing challenges. We are passionate about providing the next generation of scientists, ocean explorers, educators, and entrepreneurs with the opportunities necessary to find solutions to food and climate security while also developing new technologies that will advance ocean exploration, energy security and protect the environment.

This summer, we are launching the Project Blue Virtual Volunteer Program to high school students as part of AltaSea's dedication to workforce development in the blue economy. Students participating in the summer program will focus on Sustainable Aquaculture, Ocean Exploration, or Ocean Energy. Upon completion, students will receive 20 volunteer hours of service to help them achieve an optimal college application packet.

The students will be expected to develop a research project analyzing a mutually agreed upon ocean STEM topic. They will work closely with an AltaSea staff member and with dedicated scientific mentors over the duration. Students will fulfill the program by writing a research paper representing their evaluation of the chosen topic. This paper will be published on AltaSea's Project Blue education website and will be made available as a research resource for other students interested in marine science.

The summer volunteer program is projected as follows:

Three high school students per focus will be selected from the application essays submitted. An AltaSea staff member will remain in weekly contact with the students providing them administrative help.



Calendar

June 15

Week 1: The student will begin investigating different options for their paper. Research should be completed on at least three different topics finding background information on each. At the end of the week, students will each email their scientific mentor with two or three thesis paper ideas.

June 22

Week 2: Students will contact their scientific mentor scheduling a 15-minute call in order to finalize their topic choice. They will present their three ideas to their mentor, who will discuss each and help guide them to their topic. The mentor will consider the students' interests and provide them with additional information. Topics finalized and research will begin.

June 29

Week 3: Students will continue their research gathering as much information as possible. A broad outline/layout of information should be completed by the end of the week.

July 6

Week 4: The students will expand on their outline. At the end of Week 4, the order and content of their paper will be discussed with their AltaSea liaison to make changes and optimize quality. The paper should be well organized and have an adequate amount of information per section. Students will email their mentor to review the outline and to schedule another 15-minute call for answering any questions the student may have.

July 13

Week 5: The rough draft of the paper is written this week.

July 20

Week 6: The rough draft should be completed. **The paper will be reviewed by the scientific mentor before the students move on to their final version.** After making corrections, the student will proceed with their final paper.

July 27

Week 7: The student continues to finalize the paper.

August 3

Week 8: The paper will be finished including a bibliography/works cited.

August 7

Research papers will be sent to the student's scientific mentor, school advisor who recommended the AltaSea program and to Robin Aube, AltaSea Manager of Advancement.



APPLICATION

Students must complete all required fields for your application to be considered complete. **Applicants who submit incomplete applications will not be considered for selection.**

Name

Email Address

High School Grade Level next September

High School Attended

Which one of the following focuses are you most interested in applying?

Sustainable Aquaculture

Ocean Exploration

Ocean Energy

Statement of Interest

Please attach a Statement of Interest explaining what is most interesting to you about the focus you chose. (Essays should be a maximum of 300 words.)

Please submit your completed application and essay by June 5, 2020 to Robin Aube raube@altasea.org. Your application will not be accepted until we receive all completed application materials. Once we receive your application, we will send you a confirmation email.



Statement of Commitment

If I am selected as an AltaSea High School Volunteer for the Summer 2020, I commit to the best of my ability to due diligence in writing a comprehensive research paper reflecting my focus chosen.

As a participant I understand I will be virtually working with an accomplished professional in the individual field and with an AltaSea staff member investigating a mutually agreed upon topic.

The research paper will include the following:

Abstract

Introduction

Methodology

Results

Discussion

References

The program will formally begin on June 15, 2020 and I will dedicate a minimum of 3 hours a week in writing this paper. The research paper is due no later than August 7, 2020 at 5:00 pm.

Upon submission and approval that the research includes the six major parts referenced above, I will receive 20 volunteer hours towards my college application packet from Altasea at the Port of Los Angeles in a formal letter signed by AltaSea's Chief Executive Officer.

Signed _____

Date _____