



### KEY DATES

June 16:  
Application deadline

Notification  
on a "rolling ac-  
ceptance basis" by  
e-mail

Session I:  
June 26 - June 30

Session II:  
July 10 - July 14

Session III:  
July 17 - July 21

Session IV:  
July 24 - July 28

Apply on-line at  
[www.starschallenge.org](http://www.starschallenge.org)

### Marine Science at MAST

This marine sciences program is a hands-on course with both lab and field work that explores the marine life and habitats of Sandy Hook's beaches and estuaries. It is hosted by the Marine Academy of Science and Technology (MAST).

The marine camp will be taught by Mr. Valente and other members of the MAST science faculty. MAST students will be the teaching assistants. A Certificate of Completion will be awarded upon successful completion of the program.



### Dates and Times

We will offer four identical sessions. Classes will meet from 8:00 AM – 1:00 PM at MAST on Sandy Hook. Students must provide their own transportation and should bring their own snacks and lunch.

### Pre-requisites

The program is open to students who have completed the 6th, 7th or 8th grade by June, 2017. The students must have earned a "B" or better in the current year's science course.

### Applications

Please fill out the on-line application on the web at [www.starschallenge.org](http://www.starschallenge.org). Enrollment is limited. Tuition is \$300 for the five-day course.

### Topics

The following topics will be covered:

*Marine Life:* We will collect, identify and dissect marine plants and animals.



*Marine Habitats:* We will explore inter-tidal beaches, salt marshes, estuaries as well as the bay and the ocean.

*Physical Oceanography:* We will analyze the waves, tides and currents along with their impact on the beach.

*Water Chemistry:* We will investigate techniques for sampling water temperature, salinity, and dissolved oxygen content.

*Marine Careers:* We will present various marine occupational areas as well as their educational requirements.

*Lab and Field:* Each day will include both lab work and field work on Sandy Hook.



