|  |  |  |
| --- | --- | --- |
| **Station Attended** | **Station** | **STEM Trivia** |
|  | 1 | How long does a plastic water bottle last for if it gets into the ocean?  ***Answer:*** |
|  | 2 | Do plastic water bottles sink or float?  ***Answer:*** |
|  | 3 | 1. What does PET stand for?  ***Answer:*** |
|  | 4 | What is the combustion engine replaced with in an electric car?  ***Answer:*** |
|  | 5 | Where is the official hottest place on earth?  ***Answer:*** |
|  | 6 | What does Archimedes' Principle tell us about the magnitude of the buoyant force applied by the water to a boat's hull?  ***Answer:*** |
| **Station Attended** | **Station** | **STEM Trivia** |
|  | 7 | Name and describe one International Maritime Communication Flag.  ***Answer:*** |
|  | 8 | List 2 results of Ocean Acidification.  ***Answer:*** |
|  | 9 | Name an instrument used to measure weather.  ***Answer:*** |
|  | 10 | How many panels are used to build an Opti?  ***Answer:*** |
|  | 11 | What effect does adding additional blocks/pulleys have on the amount of effort needed to trim your main?  ***Answer:*** |
|  | 12 | What doe ROV stand for?  ***Answer:*** |

Social Media:

Tag @USSailing or Hashtag #USSailing #STEM

Note: Once you have completed all stations please bring your completed quiz to the US Sailing’s Reach Program Station and fill out a raffle ticket to be eligible for prizes. ☺

US Sailing would like to thank the following people and participating organizations:

* **Jim and Nelly Kilroy**
* **Heal the Bay**
* **Santa Monica Pier Aquarium**
* **Algalita Marine Research Institute**
* **Santa Monica High School's Team Marine**
* **American Meteorological Society, LA Chapter**
* **Loyola Marymount University**
* **Life Sail US Sailing**
* **Center Long Beach**
* **Sea Grant**
* **North Sails**
* **USODA**





**For more information visit reach.ussailing.org**

**Sailing through STEM Night**



**Timeline of Events**

4-7 pm STEM Stations for Kids

7-7:30 pm Science and Technology of Opti Sails

By Mike Marshall, North Sails Designer

7-8pm Intro to Reach Cocktail Reception for Parents

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