

Sci-Art AquaWeek 2016 Description of Contests for High Schools

Ocean Literacy Quiz: “*The Philippines is a water country*”
(25 July, Monday, 2–5 pm)

This contest aims to increase ocean literacy, particularly awareness of marine ecosystems and biodiversity, seafood production systems including aquaculture and fisheries, and the basic numerical concepts in marine science. Teams of two student-contestants and one teacher-coach from all interested high schools may join the contest.

To prepare for this contest, teams should download and study the attached pdf file guide, *Ocean Literacy* (also available from http://oceanservice.noaa.gov/education/literacy/ocean_literacy.pdf). Navigate through the online file, click on as many ideas as possible, and think of Philippine examples. Teams should also study the following concepts and quantities important in the aquatic environment (focus: Philippines), examine the attached short sample quiz (note: the answers provided are not necessarily correct), and know some of the relevant values and units:

| | | | |
|-----------------------------|------------------------------|---------------------------|------------------------|
| Biodiversity | Mangrove swamps | Sea grass beds | Coral reefs |
| Kalayaan Islands | Philippine Deep | Sea turtles | Marine mammals |
| Hydrothermal vents | Verde Island Passage | Panglao Expedition | Albatross Expedition |
| Longitude and latitude | Water depth | Water temperature | Dissolved oxygen |
| Lunar phases | Hydrostatic pressure | Salinity | Ammonia |
| Sea level | Light through water | pH | Sulfide |
| Tide heights and times | Diel cycles | Turbidity | Water pollution |
| Marine territory | Plankton | Nekton | Benthos |
| Human population | Extreme weather | Tsunami | Haiyan |
| Aquaculture production | Stocking density | Hatchery | Growout |
| Fisheries production | Ponds, cages, pens | Feeding rates | Survival ratio |
| UP Marine Science Institute | SEAFDEC | DA-BFAR | PCAMRD |
| <i>Megachasma pelagios</i> | <i>Orcaella brevirostris</i> | <i>Galeocerdo cuvieri</i> | <i>Rhincodon typus</i> |

The Ocean Literacy Quiz is a **read-and-answer written exam** with 50 questions with multiple-choice answers.

On contest day, 25 July, contestants register at FishWorld at 2 pm and get individual numbers indicating their seats and quiz sheets. Quiz starts at 3 pm. Answer sheets will be scored and the winners declared promptly.

- Judges, proctors and scorers are AQD researchers.
- Contestants must score ≥ 35 correct answers to qualify for a prize.
- Top three contestants with scores ≥ 35 win cash prizes: First (P700), Second (P600), and Third (P500).
- Place ties will be awarded Certificates of Merit but shared cash prizes.
- Contestants and coaches will receive Certificates of Participation on contest day.
- Certificates of Merit and cash prizes will be awarded to the winners at 3 pm on Friday, 29 July.