

## Sci-Art AquaWeek 2016

### Description of Contests for High Schools

**Powerpoint Lecture (by HS Teachers):** “*Ocean literacy for Grades 9–12*”  
(26 July, Tuesday, 9 am –12 nn)

This is a contest among science teachers from all interested high schools. Teachers study the attached pdf file guide, *Ocean Literacy* and select appropriate topics to teach to Grades 9–12 students in 20 minutes by means of MS Powerpoint slides. For this contest, teachers have to do the following:

*Weeks before 26 July:*

1. Download and study the attached pdf file guide, *Ocean Literacy* (also available from [http://oceanservice.noaa.gov/education/literacy/ocean\\_literacy.pdf](http://oceanservice.noaa.gov/education/literacy/ocean_literacy.pdf)). From the seven essential principles and the supporting fundamental concepts outlined in the guide, contestant-teachers select appropriate topics, specifically 10 main ideas, to teach to Grades 9–12 students in 20 minutes.
2. Decide how to present the new topics to the class (i.e., the audience during contest day) in an interesting visual, auditory, and even tactile way.
3. Prepare a 20 minute lecture in 20–30 Powerpoint slides, effectively constructed with minimal technical jargon.
4. Procure the necessary specimens and prepare the teaching aids (props, audio-visual materials) to facilitate learning of the new topics. It would be useful to **bring** specimens of rock, water, plant, animal, or other illustrative material to **show** to the class.
5. Practice the delivery of the lecture.
6. Prepare a one-page typewritten ‘lesson plan’ with the 10 main ideas in ocean literacy for submission to FishWorld.

*On contest day, 26 July:*

1. Bring the Powerpoint file, the lesson plan, and necessary illustrative specimens to FishWorld.
2. Register at 9 am and get a number for the order of lectures.
3. Submit to the FishWorld staff the one-page lesson plan with 10 main ideas (worth 10 pts).
4. The Powerpoint presentations start at 10 am. Teacher-Speakers each have 20 minutes to present the lecture. Teachers must be knowledgeable, accurate, confident, animated, and inspiring.
5. The lectures will be scored as follows:
  - Scientific content and accuracy of the lecture (30 pts; 3 pts for each of 10 main ideas)
  - Speaking and teaching ability of the Teacher-Speaker (20 pts)
  - Quality of the Powerpoint slides (20 pts)
  - Effectiveness of the lecture (20 pts)
  - One-page typewritten lesson plan (10 pts)
6. Other notes for the contest:
  - Judges: AQD researchers and the FishWorld Curator
  - Maximum score 100 points. Minimum score to be considered for a prize is 70 points.
  - Top three scorers  $\geq 70$  win prizes: First (P1,500), Second (P1,200), and Third (P1,000).
  - Non-winning teams with scores  $\geq 70$  get P500 to subsidize expenses.
  - 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.