

# AquaWeek Sci-Art 2019

29 July-02 August 2019

SEAFDEC / AQD's 46th Anniversary, AQD Museum's Year 26, FishWorld's Year 19

## Rationale of AquaWeek Sci-Art competitions

The SEAFDEC Aquaculture Department supports responsible aquaculture and sustainable development in the Philippines and Southeast Asia. SEAFDEC FishWorld is dedicated to science and environment education of the general public—children, adults, students, teachers, researchers, public officials, tourists, local residents, etc. – particularly, about water, aquatic ecosystems, biodiversity, fisheries and aquaculture, ecotourism, conservation, and the aquatic sciences.

AquaWeek Sci-Art seeks to build understanding and appreciation among students and teachers in Panay of the research and development work of SEAFDEC AQD and the relations between aquatic biodiversity, aquaculture, fisheries, and human nutrition. Such understanding is then expressed through contests with various outputs.

Sci-Art AquaWeek 2019 focuses on (1) UN Sustainable Development Agenda; (2) Promotion of Filipino Children's Book (Short Stories), Folk Songs and Dances about the Fish and the Sea and (3) Media and Information Literacy.

Various contests are open to all colleges and universities, senior high schools, junior high schools, and elementary schools. Descriptions of the contests are available from FishWorld: phone (033)-3307032, [fishworld@seafdec.org.ph](mailto:fishworld@seafdec.org.ph) and are also sent with the invitation letters. Participants (contestants and coaches) are requested to register online at <https://bit.ly/2LrYCFK> or [www.seafdec.org.ph/fishworld/aquaweek2019](http://www.seafdec.org.ph/fishworld/aquaweek2019). The print registration form may be submitted by e-mail: [fishworld@seafdec.org.ph](mailto:fishworld@seafdec.org.ph); delivered/mailed: SEAFDEC FishWorld, 5021 Tigbauan, Iloilo; or faxed to (033)-3307031 on or before 26 July 2019. The FishWorld staff needs lead time to prepare Certificates of Participation, other materials, and logistics.

FishWorld urges students and teachers to visit the SEAFDEC/AQD library, library catalog ([opac.seafdec.org.ph](http://opac.seafdec.org.ph)), website ([www.seafdec.org.ph](http://www.seafdec.org.ph)), institutional repository ([repository.seafdec.org.ph](http://repository.seafdec.org.ph)) to find out what the SEAFDEC Aquaculture Department has accomplished in aquaculture research and development and the UN SDG websites ([www.un.org/sustainabledevelopment/oceans](http://www.un.org/sustainabledevelopment/oceans)) and ([sustainabledevelopment.un.org](http://sustainabledevelopment.un.org)). Students, teachers, and parents are expected to work together and do background research, practice drawing and presenting, and make all related preparations for the competitions.

There is **no registration fee** to join the contests.

All participating schools will get a SEAFDEC/AQD information kit and a biodiversity collection for their learning centers. All contestants and coaches get Certificates of Participation. Winners get Certificates of Merit and modest cash prizes. The awarding by category will take place every day at 4 pm.

Listed below are the events during Sci-Art AquaWeek 2019.

Date	Day	Time	Events	Level
29 July	Mon	08:00-09:00	Opening Program of FishWorld	
		09:00-17:00	Open House ( <i>Free Entrance</i> ) – Opening of Exhibit, Film Showing, Read Aloud, Storytelling, and Interactive Activity	Kinder and Pre-school
30 July	Tue	08:00-09:00	Registration	
		09:00-12:00	A. Bring, Show and Tell - <i>“Conserve and sustainably use the oceans, seas and marine resources for sustainable development”</i> (Teacher-Student category)	Elementary
		09:00-12:00	B. Nutrition and Aquaculture Quiz	
		09:00-16:00	C. Write and Draw a Children’s Story: <i>“SDG 14, Conserve and sustainably use the oceans, seas and marine resources for sustainable development”</i>	
		13:00-16:00	D. Sayawit: <i>Folk songs and dances about the sea, fishing, fish and other marine organisms”</i>	
		16:00-17:00	Awarding Ceremony	
31 July	Wed	08:00-09:00	Registration	
		09:00-16:00	E. On the Spot - Poster Making Contest – <i>“SDG 14, Conserve and sustainably use the oceans, seas and marine resources for sustainable development”</i>	College
		16:00-17:00	Awarding Ceremony	
01 Aug	Thu	08:00-09:00	Registration	
		09:00-12:00	F. Essay Writing Contest – <i>“Contribution of Libraries and Museums to the SDG 14 - Life Below Water”</i>	Senior High
		09:00-16:00	G. BasurArt – <i>“Transforming Marine Debris into Art”</i>	
		09:00-16:00	H. Photo Journalism - <i>“Contribution of Aquaculture to the SDG 14 - Life Below Water”</i>	
		16:00-17:00	Awarding Ceremony	
02 Aug	Fri	08:00-09:00	Registration	
		09:00-12:00	I. Media and Information Literary Seminar - <i>“Misinformation and fake news about the fish and the sea”</i> (Teacher category)	Junior High
		09:00-16:00	J. On the Spot - Poster Making Contest – <i>“SDG 14, Conserve and sustainably use the oceans, seas and marine resources for sustainable development”</i> (High School)	
		09:00-13:00	K. Seafood Dish Contest- <i>“Farmed seafood as an appetizer, entrée, and dessert”</i>	
		13:00-16:00	L. Stage Play - <i>“SDG 14, Conserve and sustainably use the oceans, seas and marine resources for sustainable development”</i>	
		16:00-17:00	Awarding Ceremony	

## AquaWeek Sci-Art 2019

### Description of Contests for Elementary Schools (1 of 4)

#### **Bring, Show, and Tell:**

*“Conserve and sustainably use the oceans, seas and marine resources for sustainable development”*  
(30 July 2019, Tuesday, 9 am–12 nn)

This contest is open to teams (each composed of two students and one teacher-storyteller) from all interested elementary schools. The teacher should be able to deliver an interesting story he/she write related to the theme for at least 15 minutes without the use computers or projectors, the teacher-storyteller may use props or background music instead as audio-visual aids. The main task is to do research about the UN Sustainable Development Agenda particularly the SDG 14- Life Below Water: *Conserve and sustainably use the oceans, seas and marine resources for sustainable development”* and the different aquatic species being farmed in the Philippines. FishWorld urges students and teachers to visit the SEAFDEC/AQD library, library catalog ([opac.seafdec.org.ph](http://opac.seafdec.org.ph)), website ([www.seafdec.org.ph](http://www.seafdec.org.ph)), institutional repository ([repository.seafdec.org.ph](http://repository.seafdec.org.ph)) to find out what the SEAFDEC Aquaculture Department has accomplished in aquaculture research and development and the UN SDG websites ([www.un.org/sustainabledevelopment/oceans](http://www.un.org/sustainabledevelopment/oceans)) and ([sustainabledevelopment.un.org](http://sustainabledevelopment.un.org)). They may conduct a hatchery visit and interview aquaculture workers and scientists. Students, teachers, and parents are expected to work together and do background research and make all related preparations for the competition.

#### *Preparation before the contest:*

- Do background research about UN Sustainable Development Agenda particularly the SDG 14- Life Below Water: *Conserve and sustainably use the oceans, seas and marine resources for sustainable development”* and the different aquatic species being farmed in the Philippines.
- Teachers decide how the facts learned from above can be used to impart an important value to children; this should be the highlight in the story. He/she will then write a story that would evolve on the lesson she would like to emphasize but still integrating the facts gathered from his readings and interviews.
- The teacher should present the story she wrote to her colleagues and ask for comments on improving it.
- Teachers and students, together they plan for the visual aids, props and other ways to make a public story presentation.
- Teacher-storyteller should practice with her students how to perfect their story presentation.

#### *On the contest day:*

- Teacher-storyteller and the students will bring all their presentation materials to SEAFDEC FishWorld or Multi-Purpose Hall. A printed copy of the story should be submitted.
- All contestants should register and attend a brief orientation before the contest starts.
- Teachers will draw lot for their numbers after the orientation to determine the order of the presentations.
- A five minute preparation time will be given for each contestant before their presentation.
- Presentation materials should be prepared backstage and should be withdrawn only before the contestant’s turn. The use of pyrotechnics or any flammable materials is not allowed.
- The contestants should see to it that all stuff used in the presentation will be removed and brought backstage after their presentation.

#### *Criteria for judging:*

- Research done (20 pts)
- Storyline and adherence to the theme (30 pts)
- Speaking and storytelling ability of the teacher (30 pts)
- Involvement of the two students in the presentation (10 pts)
- Effective use of props and craftsmanship involved in making the props (10 pts)

#### *Other notes for the contest:*

- Judges: SEAFDEC/AQD researchers and information specialists
- All contestants and coaches get Certificates of Participation.
- Top three scorers win prizes: First (P1,500), Second (P1,200), and Third (P1,000).
- Certificate of merit and cash prize will be awarded to the winners at 4 pm on 30 July 2019 during the awarding ceremony.

## AquaWeek Sci-Art 2019

### Description of Contests for Elementary Schools (2 of 4)

#### **Nutrition and Aquaculture Quiz**

(30 July 2019, Tuesday, 9 am - 12 nn)

The celebration of FishWorld's Aquaculture Week coincides with the Nutrition Month celebration of the Department of Education. This contest is made to encourage students to learn the different nutritious food items around us and learn the importance of aquaculture and fisheries in attaining food security. Elementary schools usually hold a Nutrition Quiz, which FishWorld extends to include facts about aquaculture, fisheries, and their importance to food security. Schools can hold their school-level nutrition quiz before 26 July to select the contestants they will send to the Nutrition and Aquaculture Quiz at FishWorld. Two students from all interested elementary schools may join the quiz. They will play individually. Contestants will answer the same set of combined easy and difficult (composed of 30) questions. The quizmaster will read the question twice and the students will be given 10 seconds to answer on a board. Contestants are expected to know the basic concepts in nutrition, agriculture, fisheries, and aquaculture, and to recognize good food items, including different kinds of seafood from fisheries and aquaculture. FishWorld urges students and teachers to visit the SEAFDEC/AQD library, library catalog ([opac.seafdec.org.ph](http://opac.seafdec.org.ph)), website ([www.seafdec.org.ph](http://www.seafdec.org.ph)), institutional repository ([repository.seafdec.org.ph](http://repository.seafdec.org.ph)) to find out what the SEAFDEC Aquaculture Department has accomplished in nutrition, feeds and feeding, aquaculture research and development and the UN SDG websites ([www.un.org/sustainabledevelopment/oceans](http://www.un.org/sustainabledevelopment/oceans)) and ([sustainabledevelopment.un.org](http://sustainabledevelopment.un.org)).

#### *Preparation before the contest:*

1. Students and their coaches read and study about human nutrition, nutrition in tropical aquaculture and related topics.
2. They should also learn the benefits of consuming seafood in human health, and how seafood reached the dining tables of every family.
3. They should also learn the essentials of fish nutrition, feeds, and feeding of tropical aquatic species.

#### *On the contest day:*

1. Contestants register at FishWorld and attend a brief orientation before the contest proper.
2. Contestants get their individual number indicating their seats.
3. Contestants will answer the same set of combined easy and difficult questions in writing. There will be only one round in the competition composed of 30 questions. The question types could be identification, true or false, or a multiple-choice.
4. The quizmaster will read the question twice.
5. Contestants must raise their marker/chalk while the question is being read. When the quizmaster shall say 'go', only then the contestants will be allowed to write their answers.
6. Contestants will write their answer in the illustration board (black part).
7. Contestants will be given 10 seconds time limit to answer.
8. A buzzer or a whistle will be used to signal that the time-limit has been reached. The contestants must stop writing and must raise their answer.
9. The quizmaster will read and verify each contestant's answer.
10. The top three scorers are automatically declared as the winners.

#### *Other notes for the contest:*

- Judges, proctors, and scorers are SEAFDEC/AQD researchers and staff.
- All contestants and coaches get Certificates of Participation.
- Top three scorers win prizes: First (P1,500), Second (P1,200), and Third (P1,000).
- Certificate of merit and cash prize will be awarded to the winners at 4 pm on 30 July 2019 during the awarding ceremony.

## AquaWeek Sci-Art 2019 Description of Contests for Elementary Schools (3 of 4)

### Write and Draw a Children's Story

*"SDG 14, Conserve and sustainably use the oceans, seas and marine resources for sustainable development"*  
(30 July 2019, Tuesday, 9 am – 4 pm)

This contest is open to teams (each composed of two students and one teacher) from all interested elementary schools. The main task is to do research about the UN Sustainable Development Agenda particularly the SDG 14- Life Below Water: *Conserve and sustainably use the oceans, seas and marine resources for sustainable development*" and the different aquatic species being farmed in the Philippines. FishWorld urges students and teachers to visit the SEAFDEC/AQD library, library catalog ([opac.seafdec.org.ph](http://opac.seafdec.org.ph)), website ([www.seafdec.org.ph](http://www.seafdec.org.ph)), institutional repository ([repository.seafdec.org.ph](http://repository.seafdec.org.ph)) to find out what the SEAFDEC Aquaculture Department has accomplished in aquaculture research and development and the UN SDG websites ([www.un.org/sustainabledevelopment/oceans](http://www.un.org/sustainabledevelopment/oceans)) and ([sustainabledevelopment.un.org](http://sustainabledevelopment.un.org)). They may conduct a hatchery visit and interview aquaculture workers and scientists. Students, teachers, and parents are expected to work together and do background research and make all related preparations for the competition.

#### *Preparation before the contest:*

1. Do background research about UN Sustainable Development Agenda particularly the SDG 14- Life Below Water: *Conserve and sustainably use the oceans, seas and marine resources for sustainable development*" and the different aquatic species being farmed in the Philippines.
2. Use the main elements of the study to write an **original story** for children. The story may be in English or Filipino (Tagalog, Hiligaynon, Kinaray-a, Cebuano), with 200–500 words only. The story may be truthful or fanciful, happy or sad, but must be educational and easily understood by children under 12 years (elementary school level).
3. Discuss the children's story and how best to tell it and illustrate it in a book of not less **than eight (8) pages**, each 8.5" x 11".
4. Consult examples of environmental children's stories.
5. Polish the story, divide the text, and practice the color drawings to fill each of the pages of the book.
6. Prepare a draft layout of the children's book to be finally executed on contest day. The text may be computer-printed or handwritten; the illustrations must be hand-drawn at FishWorld.

#### *On the contest day:*

1. Register at 8 am and get from the FishWorld staff a booklet of empty pages with the team number.
2. Students work in the contest room to fill the empty pages of the book with the text of the children's story and the color drawings. Teachers help only in the preparations, NOT in the final execution of the book.
3. Submit the completed children's book at 3:30 PM.

#### *Criteria for judging:*

- research done (20 pts);
- original story about UN Sustainable Development Agenda - SDG 14 (30 pts);
- fitting color illustrations for the story (30 pts);
- book design and overall appearance (10 pts);
- educational and emotional value of the book for children (10 pts)

#### *Other notes for the contest:*

- Judges are SEAFDEC/AQD researchers, invited expert, and FishWorld curator.
- All contestants and coaches get Certificates of Participation
- Top three scorers win prizes: First (P1,500), Second (P1,200), and Third (P1,000)
- Certificate of merit and cash prize will be awarded to the winners at 4 pm on 30 July 2019 during the awarding ceremony.

## AquaWeek Sci-Art 2019

### Description of Contests for Elementary Schools (4 of 4)

#### Sayawit

*“Folk songs and dances about the sea, fishing, fish and other marine organisms”*

(30 July 2019, Tuesday, 1 pm – 4 pm)

This contest is open to teams (each composed of four students and two teacher-coaches) from all interested elementary schools. Contestants and coaches find Philippine folk songs (in Filipino, Hiligaynon, Kinaray-a, Cebuano and other dialects) and folk dance about the sea, fishing, fish, other marine animals and plants, and lives of coastal people. Examples are the folk songs *Si Felimon*, *Dandansoy* and *Turagsoy*; and the folk dances *Panulo sa Baybayon*, *Pamulad Isda*, *Pasuigin*, *Inalimango*, *Bilaskogay*, among others. The song and dance could also be modern interpretative pieces about the sea, fishing, or aquafarming. Each team interprets the selected song and dance into a seamless performance piece, practice the performance at school, and stage it at SEAFDEC Multi-purpose Hall. The performance should take only 10–15 minutes. Costumes and props, if needed, must be simple and inexpensive.

*Preparation before the contest:*

- Search and learn **Philippine Folk Songs** about the sea, fishing, fish, other marine animals and plants, and lives of coastal people, e.g., *Si Filemon*, *Dandansoy*, *Turagsoy*, etc.
- Search and learn **Philippine Folk Dances** about the sea, fishing, fish, other marine animals and plants, and lives of coastal people, e.g. *Panulo sa Baybayon*, *Pamulad Isda*, *Pasuigin*, *Inalimango*, *Bilaskogay*.
- Put together an **act** (some combination of song, dance, play, or other performance).
- It may be in Filipino- Tagalog, Hiligaynon, Kinaray-a, Cebuano and other dialects.
- All performances must have an underlying ocean, sea, or water theme, and must be educational, engaging (emotional), and entertaining.
- Practice the performance repeatedly. The teacher directs and critiques.
- Plan to use only simple and inexpensive (or recycled) props or costumes.

*On the contest day:*

- Register at 8 am and get from the FishWorld staff a team number indicating the order of performance.
- Study the SEAFDE Multi-Purpose Hall Stage and make final adjustments (blocking) in the performance. Coordinate with the AV technician for the Music and Audio set-up.
- Performances start at 1 pm. Teams have 10–15 minutes for the presentation.

*Criteria for judging the performances:*

- singing, dancing, or performing ability of the contestants (40 pts)
- choice of song, dance, about the sea, fishing, fish, other marine animals and plants, and lives of coastal people (30 pts)
- props and costumes (20 pts)
- educational and emotional value of the performance (10 pts)

*Other notes for the contest:*

- Judges are SEAFDEC/AQD researchers, invited teacher/dancer/choreographer(s) and FishWorld curator.
- All contestants and coaches get Certificates of Participation.
- Top three scorers win prizes: First (P2,000), Second (P1,500), and Third (P1,000)
- Certificate of merit and cash prize will be awarded to the winners at 4 pm on 30 July 2019 during the awarding ceremony.

## AquaWeek Sci-Art 2019

### Description of Contests for Colleges and Universities (1 of 1)

#### **On the Spot - Poster Making Contest**

*“SDG 14, Conserve and sustainably use the oceans, seas and marine resources for sustainable development”*  
(31 July 2019, Wednesday, 9 am – 4 pm)

This contest is open to students from all interested universities and colleges. The poster should be a visualization of the theme. Students are required to do background research about UN Sustainable Development Agenda particularly the SDG 14- Life Below Water: *Conserve and sustainably use the oceans, seas and marine resources for sustainable development”* and the different aquatic species being farmed in the Philippines. FishWorld urges students to visit the SEAFDEC/AQD library, library catalog ([opac.seafdec.org.ph](http://opac.seafdec.org.ph)), website ([www.seafdec.org.ph](http://www.seafdec.org.ph)), institutional repository ([repository.seafdec.org.ph](http://repository.seafdec.org.ph)) to find out what the SEAFDEC Aquaculture Department has accomplished in aquaculture research and development and the UN SDG websites ([www.un.org/sustainabledevelopment/oceans](http://www.un.org/sustainabledevelopment/oceans)) and ([sustainabledevelopment.un.org](http://sustainabledevelopment.un.org)). They may conduct an interview with aquaculture workers and scientists.

#### *Preparation before the contest:*

- Do research about the UN Sustainable Development Agenda particularly the SDG 14- Life Below Water: *Conserve and sustainably use the oceans, seas and marine resources for sustainable development”* and the different aquatic species being farmed in the Philippines.

#### *On the contest day:*

- Register at 8 am and get from the FishWorld staff and attend a brief orientation before the contest proper.
- Use white illustration board, 15" x 20" in size. (illustration boards will be provided by FishWorld)
- Contestants may use any medium (cray pas, oil pastel, watercolor, crayon, charcoal, Pentel pen, etc.). Bring these with the brushes, easel (only tables will be provided), palettes or mixing bowls to be used.
- The entry should be an original work.
- The contestant's name and school must be written on a separate label to be attached at the back of the poster.
- All contestants should finish their work on or before 3:30 pm.

#### *Criteria for judging the performances:*

- Originality (30 pts)
- Relevance to the theme (30 pts)
- Pictorial design and composition (20 pts)
- Technique (20 pts)

#### *Other notes for the contest:*

- Judges are SEAFDEC/AQD researchers, invited artist(s), and FishWorld curator.
- All contestants get Certificates of Participation.
- All entries will become the property of FishWorld.
- The winning entries might be used as a book cover, postcard, and in other FishWorld promotional materials.
- Top three scorers win prizes: First (P1,500), Second (P1,200), and Third (P1,000)
- Certificate of merit and cash prize will be awarded to the winners at 4 pm on 31 July 2019 during the awarding ceremony.

## AquaWeek Sci-Art 2019 Description of Contests for Senior High Schools (1 of 3)

### Essay Writing Contest

*“Contribution of Libraries and Museums to the SDG 14 - Life Below Water”*

(01 August 2019, Thursday, 9 am – 12 nn)

This contest is open to senior high school students from all interested high schools. The essay should be in line with the theme “Contribution of Libraries and Museums to the SDG 14 - Life Below Water”. Students are required to do background research about the UN Sustainable Development Agenda particularly the SDG 14- Life Below Water: *Conserve and sustainably use the oceans, seas and marine resources for sustainable development*” and IFLA “*Libraries, Development and the United Nations 2030 Agenda*” FishWorld urges students to visit the SEAFDEC/AQD library, library catalog ([opac.seafdec.org.ph](http://opac.seafdec.org.ph)), website ([www.seafdec.org.ph](http://www.seafdec.org.ph)), institutional repository ([repository.seafdec.org.ph](http://repository.seafdec.org.ph)) to find out what the SEAFDEC Aquaculture Department has accomplished in aquaculture research and development and the UN SDG websites ([www.un.org/sustainabledevelopment/oceans](http://www.un.org/sustainabledevelopment/oceans)) and ([sustainabledevelopment.un.org](http://sustainabledevelopment.un.org)). <https://www.ifla.org/libraries-development> They may conduct an interview with the librarians, information specialists, archivist, museum curators, and scientists.

*Preparation before the contest:*

- Do research about the UN Sustainable Development Agenda particularly the SDG 14- Life Below Water: *Conserve and sustainably use the oceans, seas and marine resources for sustainable development*” and the *Roles libraries and museums can play in the planning and implementation of the UN 2030 Agenda*.

*On the contest day:*

- Student and Teacher-Coach should register at 8 am and get from the FishWorld staff and attend a brief orientation before the contest proper.
- The essay should be written in English, not more than 300 words, handwritten.
- The entry should be an original work.
- The contestant’s name and school must be written on a separate label to be attached at the back of the paper.
- All contestants should finish their work on or before 12 nn.

*Criteria for judging the performances:*

- Content and Relevance to the Theme (40 pts)
- Organization and Format (30 pts)
- Vocabulary (20 pts)
- Language and Style (10 pts)

*Other notes for the contest:*

- Judges are SEAFDEC/AQD researchers, invited writer(s), and FishWorld curator.
- All contestants get Certificates of Participation.
- All entries will become the property of FishWorld.
- The winning entries might be published in SEAFDEC/AQD and FishWorld social media accounts, website, newsletter, and other publication.
- Top three scorers win prizes: First (P1,500), Second (P1,200), and Third (P1,000)
- Certificate of merit and cash prize will be awarded to the winners at 4 pm on 1 August 2019 during the awarding ceremony.

## AquaWeek Sci-Art 2019

### Description of Contests for Senior High Schools (2 of 3)

#### BasurArt

*"Transforming Marine Debris into Art"*

(01 August 2019, Thursday, 9 am - 4 pm)

This contest is open to teams (each composed of three senior high school students and one teacher-coach) from all interested high schools. The main tasks are 1) to do research about the UN Sustainable Development Agenda particularly the SDG 14- Life Below Water: *Conserve and sustainably use the oceans, seas and marine resources for sustainable development*" and marine debris; 2) to do field work and document coastal clean-up and collection of marine debris; 3) identify and prepare a report of marine debris 4) create an artwork from marine debris. FishWorld urges students and teachers to visit the SEAFDEC/AQD library, library catalog ([opac.seafdec.org.ph](http://opac.seafdec.org.ph)), website ([www.seafdec.org.ph](http://www.seafdec.org.ph)), institutional repository ([repository.seafdec.org.ph](http://repository.seafdec.org.ph)) to find out what the SEAFDEC and FishWorld has done on coastal clean-up, marine debris and sea turtles, and the UN SDG websites ([www.un.org/sustainabledevelopment/oceans](http://www.un.org/sustainabledevelopment/oceans)) and ([sustainabledevelopment.un.org](http://sustainabledevelopment.un.org)). They may conduct an interview with marine scientists and environmentalist. Students, teachers, and parents are expected to work together and do background research and make all related preparations for the competition.

#### *Preparation before the contest:*

- Do background research about UN Sustainable Development Agenda particularly the SDG 14- Life Below Water: *Conserve and sustainably use the oceans, seas and marine resources for sustainable development*" and about marine debris.
- Use the main elements of the study to create **original artwork** for a museum using marine debris. The material to be used must be marine debris. The work could be or inspired by a fish, turtle, other marine organisms, fishing, SDG 14 among others.
- Students, with the guide of the teacher, are encouraged to do coastal clean-up and collect marine debris. Documentation (at least eight (8) photos with labels) must be submitted.
- Using new or unused plastics and other material sources of marine debris are discouraged.

#### *On the contest day:*

- Contestants and coaches will bring the marine debris and other materials they will use for the contest.
- Register at 8 am and get from the FishWorld staff an illustration board and artwork stand (L=12" x W=12" x H=various [36" or 48" or 60"]) with the team number.
- Students work in the contest room to assemble their work. Teachers help only in the preparations, NOT in the final execution of the artwork.
- Use white illustration board, 15" x 20" in size to assemble the documentation.
- Use the provided label for the title and short description of the work.
- Display the artwork in the provided museum box stands with the documentation.
- All contestants should submit their works and documentation at 3:30 PM.

#### *Criteria for judging:*

- relevance to the theme: UN Sustainable Development Agenda - SDG 14 and marine debris (30 pts);
- creative use of materials (marine debris) (30 pts);
- design and overall appearance (20 pts);
- research done (10 pts);
- context and educational value of the work (10 pts)

#### *Other notes for the contest:*

- Judges are SEAFDEC/AQD researchers, invited artist(s), and FishWorld curator.
- All contestants and coaches get Certificates of Participation
- Top three scorers win prizes: First (P1,500), Second (P1,200), and Third (P1,000)
- Certificate of merit and cash prize will be awarded to the winners at 4 pm on 1 August 2019 during the awarding ceremony.

## AquaWeek Sci-Art 2019

### Description of Contests for Senior High Schools (3 of 3)

#### **Photojournalism:**

*“Contribution of Aquaculture to the SDG 14 - Life Below Water”*

(01 August 2019, Thursday, 9 am – 4 pm)

This contest is open to teams (each composed of two students and one teacher) from all interested high schools. The main tasks are 1) to do research about the UN Sustainable Development Agenda particularly the SDG 14- Life Below Water: *Conserve and sustainably use the oceans, seas and marine resources for sustainable development*” and the different aquatic species being farmed in the Philippines; 2) to do field work and document and document changes in the production, supply, availability, and prices of several food items (including examples from aquaculture) in relation to real or perceived changes in the environment (weather, habitats, water quality, etc.). FishWorld urges students and teachers to visit the SEAFDEC/AQD library, library catalog ([opac.seafdec.org.ph](http://opac.seafdec.org.ph)), website ([www.seafdec.org.ph](http://www.seafdec.org.ph)), institutional repository ([repository.seafdec.org.ph](http://repository.seafdec.org.ph)) to find out what the SEAFDEC and FishWorld has done on coastal clean-up, marine debris and sea turtles, and the UN SDG websites ([www.un.org/sustainabledevelopment/oceans](http://www.un.org/sustainabledevelopment/oceans)) and ([sustainabledevelopment.un.org](http://sustainabledevelopment.un.org)). They may conduct an interview with marine scientists and environmentalist. Students, teachers, and parents are expected to work together and do background research and make all related preparations for the competition.

*Preparation before the contest:*

- Do background research about UN Sustainable Development Agenda particularly the SDG 14- Life Below Water: *Conserve and sustainably use the oceans, seas and marine resources for sustainable development*”, marine biodiversity, marine pollution, sustainable aquaculture, food security, and climate change.
- Find a field study site where changes have occurred in the environment, in food production and supply.
- Visit aquafarms, fishing villages, and markets. Interview food producers, vendors, consumers.
- Document (by critical mind and good camera) the purported changes and effects within the study site.
- Discuss the results of the field research and deduce a journalist’s story (truthful, unbiased, objective).
- Choose the 10 best (illustrative, clear, critical) photographs from the study (other photos NOT accepted).
- Compose a concise (essential, to the point, ~200words) essay to tie the photos together and tell the journalist’s story. Be sure to identify the study site and key informants.
- Take the 10 best photos to have it developed or printed on the best quality setting.
- Draft or practice the layout of the poster, and strive for simple, informative, visually pleasing final output
- Print the essay onto one sheet of paper, font size 14–20. Titles and captions may be done on contest day.

*On the contest day:*

- Bring to FishWorld the printed essay, printed TEN (10 only) best photos, glue, and other materials needed to assemble the photo-essay poster.
- Register at 8 am and get from the FishWorld staff one illustration board 20” x 30” and a poster number.
- Students work in the contest room to arrange the photo-essay onto the illustration board. Teachers help only in the preparations, NOT in the execution of the final poster.
- Finalize the poster – it should look attractive, but extraneous decorations are not recommended/credited.
- Submit the completed poster at 3:30 PM.

*Criteria for judging the performances:*

- relevance to the theme and inclusion of food items from aquaculture (30 pts);
- field research done (20 pts);
- clear and illustrative photographs (20 pts);
- essay and captions in concise text (20 pts);
- overall quality and visual impact of the poster (10 pts)

*Other notes for the contest:*

- Judges are SEAFDEC/AQD researchers and FishWorld curator.
- All contestants and coaches get Certificates of Participation.
- Top three scorers win prizes: First (P1,500), Second (P1,200), and Third (P1,000)
- Certificate of merit and cash prize will be awarded to the winners at 4 pm on 1 August 2019 during the awarding ceremony.

## AquaWeek Sci-Art 2019

### Description of Contests for Junior High Schools (1 of 4)

#### Media and Information Literacy Seminar

*“Misinformation and fake news about the fish and the sea”* (Teachers)  
(02 August 2019, Friday, 9 am – 12 nn)

This is a contest among teachers from all interested junior high schools. Select appropriate topics to teach to Grades 7–10 students in 20 minutes by means of MS PowerPoint slides. FishWorld urges teachers to visit the SEAFDEC/AQD library, library catalog ([opac.seafdec.org.ph](http://opac.seafdec.org.ph)), website ([www.seafdec.org.ph](http://www.seafdec.org.ph)), institutional repository ([repository.seafdec.org.ph](http://repository.seafdec.org.ph)) to find out what the SEAFDEC, AQD, Training and Information Division, FishWorld have done in information dissemination; the UN SDG websites ([www.un.org/sustainabledevelopment/oceans](http://www.un.org/sustainabledevelopment/oceans)) and ([sustainabledevelopment.un.org](http://sustainabledevelopment.un.org)); and NOAA Ocean Literacy document [http://oceanservice.noaa.gov/education/literacy/ocean\\_literacy.pdf](http://oceanservice.noaa.gov/education/literacy/ocean_literacy.pdf). They may conduct an interview with the librarians, information specialists, journalists, and scientists. Teachers should collect from social media and websites on misinformation, satire news, and fake news about the fish and the sea.

#### *Preparation before the contest:*

- Do background research about UN Sustainable Development Agenda particularly the SDG 14- Life Below Water: *Conserve and sustainably use the oceans, seas and marine resources for sustainable development*, Information Dissemination and about Ocean Literacy. Read up on marine biodiversity, marine pollution food security, overfishing, responsible fisheries, and aquaculture, etc.
- The contestant-teachers select appropriate topics to teach to Grades 9–12 students.
- The contestant-teachers should collect from social media and websites on misinformation, satire news, and fake news about the fish and the sea and try to verify, validate, rectify and correct the information based on reliable sources.
- Decide how to present the topics to the class (i.e., the audience during contest day) in an interesting visual, auditory, and even tactile way.
- Prepare a 20min lecture in 20–30 PPT. slides, effectively constructed with minimal technical jargon.
- Prepare the teaching aids (props, audio-visual materials) and procure the necessary specimens (if needed) and to facilitate the literacy program. It would be useful to bring specimens and other illustrative material to show to the class.
- Practice the delivery of the lecture.
- Prepare a one-page typewritten ‘lesson plan’ on media and information literacy for submission to FishWorld.

#### *On the contest day:*

- Bring the PowerPoint file, the lesson plan, and props/necessary illustrative specimens to FishWorld.
- Register at 8 am and get a number for the order of lectures.
- Submit to the FishWorld staff the one-page lesson plan 10 pts).
- The PowerPoint presentations start at 9 am. Teacher-Speakers each have 20 minutes to present the lecture. Teachers must be knowledgeable, accurate, confident, animated, and inspiring.

#### *Criteria for judging the performances:*

- Scientific content and accuracy of the lecture (30 pts)
- 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)

#### *Other notes for the contest:*

- Judges are SEAFDEC/AQD researchers, invited teacher/expert(s), and FishWorld curator.
- All contestants and coaches get Certificates of Participation.
- Top three scorers win prizes: First (P1,500), Second (P1,200), and Third (P1,000)
- Certificate of merit and cash prize will be awarded to the winners at 4 pm on 2 August 2019 during the awarding ceremony.

## AquaWeek Sci-Art 2019 Description of Contests for Junior High Schools (2 of 4)

### **On the Spot - Poster Making Contest**

*“SDG 14, Conserve and sustainably use the oceans, seas and marine resources for sustainable development”*  
(02 August 2019, Friday, 9 am – 4 pm)

This contest is open to junior high school students from all interested High Schools. The poster should be a visualization of the theme. Students are required to do background research about UN Sustainable Development Agenda particularly the SDG 14- Life Below Water: *Conserve and sustainably use the oceans, seas and marine resources for sustainable development”* and the different aquatic species being farmed in the Philippines.

FishWorld urges students to visit the SEAFDEC/AQD library, library catalog ([opac.seafdec.org.ph](http://opac.seafdec.org.ph)), website ([www.seafdec.org.ph](http://www.seafdec.org.ph)), institutional repository ([repository.seafdec.org.ph](http://repository.seafdec.org.ph)) to find out what the SEAFDEC Aquaculture Department has accomplished in aquaculture research and development and the UN SDG websites ([www.un.org/sustainabledevelopment/oceans](http://www.un.org/sustainabledevelopment/oceans)) and ([sustainabledevelopment.un.org](http://sustainabledevelopment.un.org)). They may conduct an interview with aquaculture workers and scientists.

*Preparation before the contest:*

- Do research about the UN Sustainable Development Agenda particularly the SDG 14- Life Below Water: *Conserve and sustainably use the oceans, seas and marine resources for sustainable development”* and the different aquatic species being farmed in the Philippines.

*On the contest day:*

- Students and Teacher-Coach should register at 8 am and get from the FishWorld staff and attend a brief orientation before the contest proper.
- Use white illustration board, 15" x 20" in size. (illustration boards will be provided by FishWorld)
- Contestants may use any medium (cray pas, oil pastel, watercolor, crayon, charcoal, Pentel pen, etc.). Bring these with the brushes, easel (only tables will be provided), palettes or mixing bowls to be used.
- The entry should be an original work.
- The contestant's name and school must be written on a separate label to be attached at the back of the poster.
- All contestants should finish their work on or before 3:30 pm.

*Criteria for judging the performances:*

- Originality (30 pts)
- Relevance to the theme (30 pts)
- Pictorial design and composition (20 pts)
- Technique (20 pts)

*Other notes for the contest:*

- Judges are SEAFDEC/AQD researchers, invited artist(s), and FishWorld curator.
- All contestants get Certificates of Participation.
- All entries will become the property of FishWorld.
- The winning entries might be used as a book cover, postcard, and in other FishWorld promotional materials.
- Top three scorers win prizes: First (P1,500), Second (P1,200), and Third (P1,000)
- Certificate of merit and cash prize will be awarded to the winners at 4 pm on 2 August 2019 during the awarding ceremony.

## AquaWeek Sci-Art 2019

### Description of Contests for Junior High Schools (3 of 4)

#### Seafood Dish Contest

*“Farmed seafood as an appetizer, entrée, and dessert”*

(02 August 2019, Friday, 9 am – 1 pm)

This contest is open to teams (each composed of three junior high school student-cooks and one teacher-coach) from all interested high schools. Each team prepares three simple but novel seafood dishes (original creations) – an appetizer, a main dish, and a dessert – made with **farmed** species, including one or more of the following:

Mudcrab	Abalone	Sea bass	Oysters	Bangus
Native catfish	Mussel	Rabbitfish	Common carp	Seaweed
Grouper	Nile Tilapia	Shrimp	Mangrove snapper	Bighead carp
Sea Cucumber	Giant Freshwater Prawn			

*Preparation before the contest:*

- Find out what farmed seafoods are available locally around the time of the contest. It is best to cook fresh seafood on contest day, rather than frozen or processed seafood.
- Figure out how to use the available farmed seafood in the best ways to produce three dishes – an appetizer, a main dish, and a dessert. Each school team must have all three dishes as a set.
- Create the three recipes for the three dishes and test-cook and test-taste them.
- Type and print the three recipes (listing ingredients and describing how to cook) and bring them with the three dishes to FishWorld on contest day.

*On the contest day:*

- Early in the morning, cook at school or at home the three different dishes, each one in an amount sufficient for several judges and other test-tasters (10-15pax).
- Bring to FishWorld the three dishes in appropriate containers, the three recipes, and other materials for the table exhibit and food service. Light cooking and reheating can be done in FishWorld
- Register at 8 am and get from the FishWorld staff the team numbers to tag the exhibit table, the three dishes, and the three recipes for judging.
- Occupy a team table and set it up appropriately for proper presentation of the three dishes.
- Judging time will be between 11 am and 12 nn. Four separate panels of judges will score for: Table Presentation, Appetizer, Entrée, and Dessert.
- Judging of the table presentation will be at 11 am, with all the three dishes in place and still intact.
- Judging of the three dishes will be done at three separate tables. There will be three sets of judges. One set of judges for every dish (appetizer, entrée, and dessert).

*Criteria for Table Presentation (maximum 25 points):*

- Each of the three dishes in sufficient quantity for tasting and judging (5 pts)
- Three printed recipes for the three dishes(5 pts)
- Aesthetic presentation of the three dishes as set on the table (10 pts)
- Appropriate outfit of the student-cooks during food service (5 pts)

*Criteria for Each Dish (maximum 25 points):*

- Novelty of dish (10 pts)
- Freshness and choice of farmed seafood species used (5 pts)
- Health value and delicious taste (5 pts)
- Aesthetic plating and food service by the student-cook (5 pts)

*Other notes for the contest:*

- Judges are SEAFDEC/AQD researchers and staff, invited expert(s).
- All contestants and coaches get Certificates of Participation.
- Top three scorers win prizes: First (P2,000), Second (P1,500), and Third (P1,000)
- Certificate of merit and cash prize will be awarded to the winners at 4 pm on 2 August 2019 during the awarding ceremony.

## AquaWeek Sci-Art 2019

### Description of Contests for Junior High Schools (4 of 4)

#### Stage Play

*“SDG 14, Conserve and sustainably use the oceans, seas and marine resources for sustainable development”*  
(02 August 2019, Friday, 1pm – 4pm)

This contest is open to teams (each composed of three junior high school students and two teacher-coaches) from all interested high schools. Students and teachers are required to do background research about UN Sustainable Development Agenda particularly the SDG 14- Life Below Water: *Conserve and sustainably use the oceans, seas and marine resources for sustainable development”* and Ocean Literacy. FishWorld urges students to visit the SEAFDEC/AQD library, library catalog ([opac.seafdec.org.ph](http://opac.seafdec.org.ph)), website ([www.seafdec.org.ph](http://www.seafdec.org.ph)), institutional repository ([repository.seafdec.org.ph](http://repository.seafdec.org.ph)) to find out what the SEAFDEC Aquaculture Department has accomplished in aquaculture research and development and the UN SDG websites ([www.un.org/sustainabledevelopment/oceans](http://www.un.org/sustainabledevelopment/oceans)) and ([sustainabledevelopment.un.org](http://sustainabledevelopment.un.org)). They may conduct field works, interview with aquaculture workers and scientists. Each team shall write the script of an original one-act or two-act environmental play, practice the performance at school, and stage it at SEAFDEC Multi-purpose Hall. The performance should only take 10-15 minutes. All performances must have an underlying ocean, sea, or water theme, and must be educational, engaging (emotional), and entertaining. Costumes and props, if needed, must be simple and inexpensive.

#### *Preparation before the contest:*

- Do background research about UN Sustainable Development Agenda particularly the SDG 14- Life Below Water: *Conserve and sustainably use the oceans, seas and marine resources for sustainable development”*, and about Ocean Literacy. Read up on marine biodiversity, marine pollution, food security, overfishing, responsible fisheries, and aquaculture, etc.
- Discuss with the team the findings of the study and use the main elements to write the script of an original one-act or two-act environmental play with three characters.
- The play may be in English or Filipino (Tagalog, Hiligaynon, Kinaray-a, Cebuano).
- The play must be educational and appeal to a wide audience (children to adults).
- Students practice acting out the play, using full voice only; the teacher directs and critiques.
- Practice the performance repeatedly. The teacher directs and critiques.
- Polish and title the script, prepare a synopsis, and print three copies for submission to FishWorld.
- Use only simple and inexpensive (or recycled) props or costumes, if necessary.

#### *On the contest day:*

- Register at 8 am and get from the FishWorld staff a team number indicating the order of performance.
- Study the SEAFDE Multi-Purpose Hall Stage and make final adjustments (blocking) in the performance. Coordinate with the AV technician for the Music and Audio set-up.
- Performances start at 1 pm. Teams have 10-15 minutes for the presentation.

#### *Criteria for judging the performances:*

- research done (20 pts)
- original script about SDG (20 pts)
- acting, speaking or performing ability of the students (30 pts)
- props, costumes and overall quality of performance (20 pts)
- educational and emotional value of the play (10 pts)

#### *Other notes for the contest:*

- Judges are SEAFDEC/AQD researchers, invited teacher/actor/dancer/choreographer(s) and FishWorld curator.
- All contestants and coaches get Certificates of Participation.
- Top three scorers win prizes: First (P2,000), Second (P1,500), and Third (P1,000)
- Certificate of merit and cash prize will be awarded to the winners at 4 pm on 2 August 2019 during the awarding ceremony.

## UN Sustainable Development Goals SDG 14-Life Below Water

### Goal 14: *Conserve and sustainably use the oceans, seas and marine resources*

Text lifted from: [www.un.org/sustainabledevelopment/oceans](http://www.un.org/sustainabledevelopment/oceans)

The world's oceans – their temperature, chemistry, currents, and life – drive global systems that make the Earth habitable for humankind. Our rainwater, drinking water, weather, climate, coastlines, much of our food, and even the oxygen in the air we breathe, are all ultimately provided and regulated by the sea. Throughout history, oceans and seas have been vital conduits for trade and transportation.

Careful management of this essential global resource is a key feature of a sustainable future. However, at the current time, there is a continuous deterioration of coastal waters owing to pollution and ocean acidification is having an adversarial effect on the functioning of ecosystems and biodiversity. This is also negatively impacting small scale fisheries.

Marine protected areas need to be effectively managed and well-resourced and regulations need to be put in place to reduce overfishing, marine pollution, and ocean acidification.

#### Facts and figures

- Oceans cover three-quarters of the Earth's surface, contain 97 per cent of the Earth's water, and represent 99 per cent of the living space on the planet by volume.
- Over three billion people depend on marine and coastal biodiversity for their livelihoods.
- Globally, the market value of marine and coastal resources and industries is estimated at \$3 trillion per year or about 5 per cent of global GDP.
- Oceans contain nearly 200,000 identified species, but actual numbers may lie in the millions.
- Oceans absorb about 30 per cent of carbon dioxide produced by humans, buffering the impacts of global warming.
- Oceans serve as the world's largest source of protein, with more than 3 billion people depending on the oceans as their primary source of protein
- Marine fisheries directly or indirectly employ over 200 million people.
- Subsidies for fishing are contributing to the rapid depletion of many fish species and are preventing efforts to save and restore global fisheries and related jobs, causing ocean fisheries to generate US\$50 billion less per year than they could.
- Open Ocean sites show current levels of acidity have increased by 26 per cent since the start of the Industrial Revolution.
- Coastal waters are deteriorating due to pollution and eutrophication. Without concerted efforts, coastal eutrophication is expected to increase in 20 percent of large marine ecosystems by 2050.

#### Goal 14 Targets

- 14.1 By 2025, prevent and significantly reduce marine pollution of all kinds, in particular from land-based activities, including marine debris and nutrient pollution
- 14.2 By 2020, sustainably manage and protect marine and coastal ecosystems to avoid significant adverse impacts, including by strengthening their resilience, and take action for their restoration in order to achieve healthy and productive oceans
- 14.3 Minimize and address the impacts of ocean acidification, including through enhanced scientific cooperation at all levels
- 14.4 By 2020, effectively regulate harvesting and end overfishing, illegal, unreported and unregulated fishing and destructive fishing practices and implement science-based management plans, in order to restore fish stocks in the shortest time feasible, at least to levels that can produce maximum sustainable yield as determined by their biological characteristics
- 14.5 By 2020, conserve at least 10 per cent of coastal and marine areas, consistent with national and international law and based on the best available scientific information
- 14.6 By 2020, prohibit certain forms of fisheries subsidies which contribute to overcapacity and overfishing, eliminate subsidies that contribute to illegal, unreported and unregulated fishing and refrain from introducing new such subsidies, recognizing that appropriate and effective special and differential treatment for developing and least developed countries should be an integral part of the World Trade Organization fisheries subsidies negotiation
- 14.7 By 2030, increase the economic benefits to Small Island developing States and least developed countries from the sustainable use of marine resources, including through sustainable management of fisheries, aquaculture, and tourism
- 14.A Increase scientific knowledge, develop research capacity and transfer marine technology, taking into account the Intergovernmental Oceanographic Commission Criteria and Guidelines on the Transfer of Marine Technology, in order to improve ocean health and to enhance the contribution of marine biodiversity to the development of developing countries, in particular small island developing States and least developed countries
- 14.B Provide access for small-scale artisanal fishers to marine resources and markets
- 14.C Enhance the conservation and sustainable use of oceans and their resources by implementing international law as reflected in UNCLOS, which provides the legal framework for the conservation and sustainable use of oceans and their resources, as recalled in paragraph 158 of The Future We Want