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Republic of the Philippines  
**Department of Education**  
Regional Office I

# 02140

Advisory No. 023, s. 2020  
February 20, 2020

In compliance with DepEd Order (D.O) No. 8, s. 2013  
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**RELEASED**  
SDO-DAGUPAN  
BY: \_\_\_\_\_  
DATE 02-24-2020  
TRACKING NO. 0932

**7<sup>th</sup> NATIONAL SEMINAR-WORKSHOP ON MANIPULATIVE  
LABORATORY SKILLS FOCUSED ON EXPERIMENTAL AND DESCRIPTIVE  
RESEARCHES**

The Bureau of Fisheries and Aquatic Resources (BFAR), National Integrated Fish Technology Development Center (NIFTDC), Bonuan Binloc, Dagupan City in cooperation with the Association of Science Club Advisers and Head Teachers of Pangasinan 2 shall conduct the **7<sup>th</sup> National Seminar-Workshop on Manipulative Laboratory Skills Focused on Experimental and Descriptive Researches** on April 14-16, 2020 (First Batch), April 21-23, 2020 (Second Batch), April 28-30, 2020 (Third Batch), and May 5-7, 2020 (Fourth Batch) at the Asian Fisheries Academy, BFAR-NIFTDC, Bonuan Binloc, Dagupan City. Interested teachers and learners from the Junior High School (JHS) and Senior High School (SHS) may attend in this activity.

Participation of schools shall be subject to the no-disruption of classes policy stipulated in DepEd Order No. 9, s. 2005 entitled, "Instituting Measures to Increase Engaged Time-On-Task and Ensuring Compliance Therewith."

For more information, please contact:

DR. ARTURO S. BLANCO/ DR. DENTON N. CABALLERO  
President (Secondary/ Elementary)  
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DATE: 2/24/2020  
TIME: 2:30pm  
EYNANTE B. INFANTE  
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CLMD/jdcjr/ADV009  
February 19, 2020

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Republic of the Philippines  
**BUREAU OF FISHERIES AND AQUATIC RESOURCES**  
**NATIONAL INTEGRATED FISHERIES TECHNOLOGY DEVELOPMENT CENTER**  
**ASIAN FISHERIES ACADEMY**  
Bonaan Binloc, Dagupan City

**DIRECTOR TOLENTINO G. AQUINO**  
OIC - Regional Director, DepEd ROI  
Catbangen, San Fernando City

DepEd Division Office - Ilocos Region  
**RECEIVED**  
FEB 11 AM

9:40

SIR:

1. The Bureau of Fisheries and Aquatic Resources (BFAR), National Integrated Fish Technology Development Center (NIFTDC), Bonaan Binloc, Dagupan City in cooperation with the Association of Science Club Advisers and Head Teachers of Pangasinan II announces the holding of the annual summer event entitled **7<sup>th</sup> National Seminar-Workshop on Manipulative Laboratory Skills Focused on Experimental and Descriptive Researches** with the theme: **"Science and Technology Advancement: Enhancing Quality of Life Through Invention and Research"**. It will be held at Asian Fisheries Academy, BFAR-NIFTDC, Bonaan Binloc, Dagupan City on the following dates:
- April 14-16, 2020 (First Batch)
  - April 28-30, 2020 (Third Batch)
  - April 21-23, 2020 (Second Batch)
  - May 05-07, 2020 (Fourth Batch)

2. The objectives include

- a. undertake scientific research that will develop the youth and teacher's creativity, analytical mind and integrity;
- b. apply learned science and technology concepts and principles;
- c. showcase an output during the academic contest;
- d. provide venue for intellectual and social interaction among students and teachers, and
- e. create an atmosphere of competitiveness and excellence toward achieving scientific skills and attitudes.

3. The participants to this activity are the following:

- a. Special Science Class students
- b. Interested students from the regular class and other programs
- c. Junior and Senior High School teachers and students
- d. Officers and members of the research club
- e. Research teachers and teachers undergoing educational researches in a post graduate institution
- f. OJT students with a research proposal on life science, environmental, material and applied sciences in Senior High School, college and universities.

4. Expected Outputs are

- ❖ Research Proposal Paper
- ❖ Research Report
- ❖ Layout for exhibit - softcopy
- ❖ Fishsay
- ❖ Fish Mosaic
- ❖ Color the Fish
- ❖ Manipulative Laboratory Exposure on Scientific Processes  
(Microbiology, Limnology, Phycology, Polymerase Chain Reaction)
- ❖ Search for the Best Marine and Terrestrial Research and Sustainable Development Implementer (Research Adviser and Administrator)
- ❖ Impromptu Speaking Contest
- ❖ Slogan Making
- ❖ Fish Rodeo
- ❖ Mural Painting on the Rock
- ❖ Results of the Examination after the OJT
- ❖ Demonstration Teaching

5. A registration fee of One Thousand Eight Hundred Pesos (P1, 800.00) shall be collected from each participant to defray the cost of certificates, training kits, ID, latex paint (for mural painting), honoraria for the invited panelists/board of judges/resource speakers, meals (dinner of day 1 until lunch of day 3 = 6 meals), certificates, paint, toiletries, working t-shirts, energy and other incidental expenses. The participants shall charge their registration fee and travel expenses from their personal fund or sponsor if any.

6. Participants to this activity are advised to bring their sleeping paraphernalia/tent (if desired)

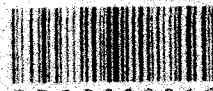
7. Per DepEd Order No. 5 s. 2003 "Updated Guidelines on Grant of Service Credits to Teachers" teacher participants to this activity shall be granted four (4) days service credits, after all necessary documents/requirements shall have been submitted and processed.

8. Attendance to this activity is on voluntary basis

9. Immediate dissemination to all concerned is desired.

*Smmu/abdl*  
**MDM. NERAFE C. MUYALDE**  
Aquaculturist II, Head Asian Fisheries Academy

**DR. WESTLY R. ROSARIO**  
Chief, BFAR NIFTDC



DepEd AOI REC2002810

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Training Specialist

## 7<sup>th</sup> National Seminar – Workshop on Manipulative Laboratory Skills Focused on Experimental and Descriptive Researches

### TRAINING MATRIX

April 14-16, 2020 (First Batch)  
April 28 -30 (Third Batch)

April 21-23 (Second Batch)  
May 05-07, 2020 (Fourth Batch)

Day	Time	Event /Lecture / Speaker	Venue	Facilitator
0	8:00 – 5:00	Arrival of Delegates / Billing of Participants to AFA Dormitory / BFAR Dormitory		
1	8:00 – 12:00	Center Visitation / Situationer	AFA Registration Area (Function Hall)	BFAR & DepED Staff
	12:00 – 1:00	Lunch Break (Packed Lunch)		
1	1:00 – 2:30	Opening Program / Orientation	BFAR Center /Facilities	BFAR & DepED Staff
	2:30 – 3:30	Lecture 1: Standard Laboratory Technique Mdm Nerafe C. Muyaide, Aqua culturist II	Asian Fisheries Academy	
	3:30 – 4:30	Lecture 2: Routinary Culture Media In Microbiology PCR Mr. John Carlo Gosilfar Aqua culturist I	JDV Hall	
	4:30 – 6:00	Lecture 3 Ashley Salinas Research Focused on Environmental and Sustainable Development.		
	6:00 – 7:00	Dinner Break		
	8:00 – 10:00	Academic Contests and Write shop		
	10:00 onward	Lights Off	JDV Hall	
	2	8:00- 8:30	Routinary Activilles	
8:30-9:30		Lecture 4 IPSE / ISEF Forms, Communication and other Documentation	BFAR Center /Facilities	BFAR & DepED Staff
2	9:30 – 10:30	Dr. Julie G. De Guzman EPS, Science Research Specialist, DMMSU, NLUC	Asian Fisheries Academy	
	10:30-12:00	Lecture 5 Researchable Topics Focused on ISEF Standards Dr. Jomar Aban	JDV Hall	
	12:00 – 1:00	Lunch Break		
	1:00 – 6:00	Science Congress, Lay outing, Research Display, other academic contests		
	6:00 – 7:00	Manipulative Laboratory Skills Workshops		
	8:00 – 10:00	Lights Off	JDV Hall	
	10:00 onward	Continuation of Science Congress (Physical and Applied Sciences)		
	3	8:00 – 12:00	Laboratory Visitation (Familiarization with the different state of the art facilities (JICA), FISH Rodeo and research Fun and frolic	
12:00 – 1:00		Lunch Break	BFAR Center /facilities	BFAR & DepED Staff
2:00 – 3:00		Finalization of output/ Verification of Reports /Documentation/Display of Output	Asian Fisheries Academy	
3:00 – 5:00		Awarding Ceremonies / Closing program	JDV Hall	
5:00 – 5:00				



7<sup>th</sup> National Seminar-Workshop on Manipulative Laboratory Skills Training  
Focused on Experimental & Descriptive Researches  
BUREAU OF FISHERIES AND AQUATIC RESOURCES  
NATIONAL INTEGRATED FISH TECHNOLOGY DEVELOPMENT CENTER  
Bonuan Binloc, Dagupan City



**CONTESTS MECHANICS, GUIDELINES and CRITERIA FOR JUDGING**

7<sup>th</sup> National Seminar-Workshop on Manipulative Laboratory Skills Focused on  
Descriptive and Experimental Researches

April 14 - 16, 2020 (First Batch)

April 21 - 23, 2020 (Second Batch)

April 28 - 30, 2020 (Third Batch)

May 5 - 7, 2020 (Fourth Batch)

**A. COLOR THE FISH**

1. The contest is open to all participants. The contest is categorized into: elementary, junior high school and senior high school.
2. The art piece will be drawn in 1/4 illustration board (National Bookstore sized) within 3-hour period.
3. The medium to be used is oil pastel. The art piece will be drawn inside the fish backdrop.
4. The art piece should revolve around the theme.
5. Three (3) winners will be chosen from each category: elementary, junior high school and senior high school and will be receiving certificate of recognition and medal.

Criteria for Judging

Visual Artistry and Creativity	40%
Relevance to the Theme	40%
Over-all Impact	20%
Total	100%

**B. MURAL ROCK PAINTING**

1. The contest is open to all participants. The contest is categorized into: elementary, junior high school and senior high school.
2. The art piece will be drawn in 1/4 illustration board (National Bookstore sized) within 3-hour period.
3. The medium to be used is acrylic paint/oil-based paint/water-based paint.
4. The art piece should revolve around the theme.
5. Three (3) winners will be chosen from each category: elementary, junior high school and senior high school and will be receiving certificate of recognition and medal.

Criteria for Judging

Visual Artistry and Creativity	40%
Relevance to the Theme	40%
Over-all Impact	20%
Total	100%

**C. MOSAIC ART CONTEST**

1. The contest is open to all participants. The contest is categorized into: elementary, junior high school and senior high school.
2. The art piece will be mounted in 1/4 illustration board (National Bookstore sized) within 3-hour period.
3. Scrap materials and/or indigenous materials should be used.
4. The art piece should revolve around the theme.
5. Three (3) winners will be chosen from each category: elementary, junior high school and senior high school and will be receiving certificate of recognition and medal.



Criteria for Judging	
Ingenuity, Creativity & Originality	40%
Relevance to the Theme	40%
Over-all Impact	20%
Total	100%

### **SLOGAN MAKING CONTEST**

The contest is open to all participants. The contest is categorized into: elementary, junior high school and senior high school.

The slogan will be written in 1/4 illustration board (National Bookstore sized) within 2-hour period. Black or blue permanent ink marker should be used. Use of pencil is allowed. Ruler is NOT ALLOWED.

The slogan should consist of 10 to 12 words in English. Hyphenated words are considered one word.

Three (3) winners will be chosen from each category: elementary, junior high school and senior high school and will be receiving certificate of recognition and medal.

Criteria for Judging	
Creativity & Originality	40%
Relevance to the Theme	40%
Over-all Impact	20%
Total	100%

### **ESSAY WRITING CONTEST**

The contest is open to all participants. The contest is categorized into: elementary, junior high school and senior high school.

The piece will be written on a yellow-pad sheet to be given by the organizer.

The essay should consist of 250 – 300 words only to be written in 2 hours.

Three (3) winners will be chosen from each category: elementary, junior high school and senior high school and will be receiving certificate of recognition and medal.

Criteria for Judging	
Technicalities in Writing	40%
Relevance to the Theme / Content	40%
Over-all Impact	20%
Total	100%

### **F. IMPROMPTU SPEAKING CONTEST (FILIPINO AND ENGLISH)**

1. The contest is open to all participants. The contest is categorized into: elementary, junior high school and senior high school.

2. The contest comes into two (2) rounds. First round is a prepared speech by the contestant for 2 minutes only. The contestant is given 2 minutes for preparation and 2 minutes for the speech. Second round is on the spot question-and-answer speech. One (1) minute delivery is given to each contestant.

3. Three (3) winners will be chosen from each category: elementary, junior high school and senior high school and will be receiving certificate of recognition and medal.

Criteria for Judging	
Technicalities in Speaking	40%
Relevance to the Theme / Content	40%
Over-all Impact	20%
Total	100%

### **G. FISH RODEO**

1. The contest is open to all participants composed of a team with 3 members only.

2. The participants are given 10 minutes to catch fish on a designated area.

3. The team with the most number of fish catch will be declared winners.

3. Top three (3) teams will be chosen from each category: elementary, junior high school and senior high school and will be receiving certificate of recognition and medal.

#### **H. QUIZ BEE**

1. The contest is open to all participants.
2. Questions will be coming from the lectures, discussions, and workshops.
3. The quiz bee comes in three rounds; Easy Round, Average Round and Difficult Round all-in multiple-choice item at 1 point, 2 points and 3 points respectively.
3. In case of a tie, a tie breaking question will be given. The participant who gets the right answer first will be declared the winner.
4. Top three (3) will be chosen from each category, elementary, junior high school and senior high school.

#### **I. SCIENCE INVESTIGATORY PROJECT PROPOSAL**

1. The contest is open to all participants, individually or as a team (maximum of three members).
2. The SIP proposal should be written in 8.5in x 11in coupon bond.
3. Three (3) copies will be submitted on the first day of the seminar workshop.
4. The contestant/s will undergo panel interview. Presentation of the SIP Proposal should be in 5 minutes only and another 5 minutes for the interrogation of the judges.
5. Top 3 in each category (Applied Science and Life Science) both individual or group category will be the winners in the following.
  - Best SIP Proposal
  - Best SIP Presenter
  - Best SIP Title
  - Best SIP Poster

#### **J. SCIENCE INVESTIGATORY PROJECT PROPOSAL LAY-OUT**

1. The contest is open to all participants, individually or as a team (maximum of three members).
2. The SIP proposal lay-out should be in MS Publisher or Adobe application.
3. The SIP proposal lay-out should be submitted on the first day of the seminar workshop in soft copy.
5. Top 3 in each category (Applied Science and Life Science) both individual or group category will be the winners in the following.

#### **K. BEST IN MANIPULATIVE LABORATORY SKILL**

1. The contest is open to all participants who will undergo actual training in laboratory of BFAR.
2. The laboratory technician in-charge will select from among the participants who possess skills in different laboratory equipment/tools and techniques.
3. Three winners will be coming from a) Microbiology, b) Limnology, c) Phycology, and d) PCR

#### **L. SEARCH FOR OUTSTANDING RESEARCH IN MARINE AND TERRESTRIAL**

1. The search is open to all interested teachers inclined in science or research education dealing particularly in aquaculture, marine, and other allied disciplines.
2. The researcher should pass only the RESEARCH ABSTRACT on the first day.
3. Researchers are given 10 minutes for the delivery. Presentation should be in PowerPoint application.
4. A 5-minute interrogation from the panel will be done.
7. Criteria for Judging

Research Impact	40%
Delivery and Presentation	30%
Interrogation	30%
Total	100%