




Republic of the Philippines  
Department Of Education  
Region, IX, Zamboanga Peninsula  
**DIVISION OF ZAMBOANGA DEL NORTE**  
Dipolog City 7100



DIVISION MEMORANDUM  
No. 322, Series of 2015

TO: Public Schools District Supervisors  
Heads, Public Elementary and Secondary Schools  
Heads, Private Elementary and Secondary Schools  
Heads of S and T Oriented (ESEP) **High** Schools,  
Science Coordinators, Science Club Advisers,  
Science Teachers, All Others Concerned

From:  Natividad P. Bayubay, CESO VI  
Officer In-Charge, Office of the Schools Division Superintendent

Subject: Division Level Science Quest and Fair 2015

Date: November 4, 2015

1. The Schools Division of Zamboanga del Norte will be conducting the Division Level Science Quest and Fair 2015 on November 26-27, 2015 wherein the venue will be announced later. The competition is centered on the theme: **"Science and Technology Advancement: Enhancing Quality of Life"**

2. In connection with the above-stated reason, this division hereby schedule and outline the activities preparatory to the Regional Level Science Quest and Fair to be held on December 3-4, 2015.  
Viz:

**November 26, 2015-Elementary Level Competitions (Thursday)**

- a) Science Quiz – One entry for Grade 3, Grade 4, Grade 5, and Grade 6 for Public Schools
- b) Science Quiz – One entry for Grade 3, Grade 4, Grade 5, and Grade 6 for Private Schools
- c) On-the-Spot Painting – any of the Grades 4-6 pupils, Public and Private Schools combined. Emerging winner will be automatically the division entry to the regional competition.
- d) On-the-Spot Painting – any of the Grades 4-6 teachers, Public and Private Schools combined. Emerging winner will be automatically the division entry to the regional competition.
- e) On-the-Spot Painting – any of the Grades 4-6 Parents, Public and Private Schools combined. Emerging winner will be automatically the division entry to the national competition.
- f) On-the-Spot Collage Making – any of the Grades 3-6 pupils, Public and Private Schools combined. Emerging winner will be automatically the division entry to the regional competition.
- g) On-the-Spot Collage Making – any of the Grades 4-6 teachers, Public and Private Schools combined. Emerging winner will be

automatically the division entry to the national competition.

- h) On-the-Spot Collage Making – any of the Grades 4-6 Parents, Public and Private Schools combined. Emerging winner will be automatically the division entry to the national competition.
- i) Science Intervention Materials (SIM) – a team composed of three (3) teachers

**November 27, 2015 - Secondary Level Competitions (Friday)**

- a) Science Quiz – One entry for Grade 7, Grade 8, Grade 9, and Grade 10 for Public Schools
- b) Science Quiz – One entry for Grade 7, Grade 8, Grade 9, and Grade 10 for Private Schools
- c) On-the-Spot Painting – one entry for any of the Grades 7-10 students, Public and Private Schools combined. Emerging winner will be automatically the division entry to the regional competition.
- d) On-the-Spot Painting – one entry for any of the Grades 7-10 teachers, Public and Private Schools combined. Emerging winner will be automatically the division entry to the regional competition.
- e) On-the-Spot Painting – one entry for any of the Grades 7-10 parents, Public and Private Schools combined. Emerging winner will be automatically the division entry to the national competition.
- f) On-the-Spot Collage Making – one entry for any of the Grades 7-10 students, Public and Private Schools combined. Emerging winner will be automatically the division entry to the regional competition.
- g) On-the-Spot Collage Making – one entry for any of the Grades 7-10 teacher, Public and Private Schools combined. Emerging winner will be automatically the division entry to the national competition.
- h) On-the-Spot Collage Making – one entry for any of the Grades 7-10 parent, Public and Private Schools combined. Emerging winner will be automatically the division entry to the national competition.
- i) Science Intervention Materials (SIM) – a team composed of three (3) teachers
- j) Science and Technology Fair – has four contest categories. Below are the four categories:
  - j.1 Life Science Individual Project      j.3) Physical Science Individual Project
  - j.2 Life Science Team Project            j.4) Physical Science Team Project

**January 19, 2016 - Elementary Level Competitions (Tuesday)**

- a) Science writing in English - One entry for Grade 3, Grade 4, Grade 5, and Grade 6 for Public Schools
- b) Science writing in English - One entry for Grade 3, Grade 4, Grade 5, and Grade 6 for Private Schools
- c) Science writing in Filipino - One entry for Grade 3, Grade 4, Grade 5, and Grade 6 for Public Schools
- d) Science writing in Filipino - One entry for Grade 3, Grade 4, Grade 5, and Grade 6 for Private Schools



- e) Science Impromptu Speaking - One entry for Grade 3, Grade 4, Grade 5, and Grade 6 for Public Schools
- f) Science Impromptu Speaking - One entry for Grade 3, Grade 4, Grade 5, and Grade 6 for Private Schools
- g) Scie-Dama –
  - 1. One (1) contestant per district for Water Patrol Sci-Dama (G3-G4)
  - 2. One (1) contestant per district for Water Patrol Sci-Dama (G5-G6)

**January 20, 2016 - Secondary Level Competitions (Wednesday)**

- a) Science writing in English - One entry for Grade 7, Grade 8, Grade 9, and Grade 10 for Public Schools
- b) Science writing in English - One entry for Grade 7, Grade 8, Grade 9, and Grade 10 for Private Schools
- c) Science writing in Filipino - One entry for Grade 7, Grade 8, Grade 9, and Grade 10 for Public Schools
- d) Science writing in Filipino - One entry for Grade 7, Grade 8, Grade 9, and Grade 10 for Private Schools
- e) Science Impromptu Speaking - One entry for Grade Grade 7, Grade 8, Grade 9, and Grade 10 for Public Schools
- f) Science Impromptu Speaking - One entry for Grade 7, Grade 8, Grade 9, and Grade 10 for Private Schools
- g) Scie-Dama –
  - a. One (1) contestant for Electro Sci-Dama (G7)
  - b. One (1) contestant for Sci-No Dama (G8)
  - c. One (1) contestant for THI Sci-Dama (G9)
  - d. One (1) contestant for Thermo Sci-Dama (G10)

3. The activities aim to achieve the following:

- a. strengthen the implementation of various programs and projects in science and technology;
- b. provide opportunities for science pupil/students and teachers to engage into productive, meaningful and effective activities that promote awareness, interests and involvement in science and technology;
- c. harness the knowledge, skills and values of science learners, teachers, coordinators and science enthusiasts to cope with and apply the developments and advancements in science and technology and;
- d. encourage science researcher to fully develop their full potential and represent the nation in the International Science and Engineering Fair.

4. Please see attached enclosures.

5. In view of this, all Schools and District Science Coordinators, Master Teacher in Science (if any), are encouraged to conduct their respective school/district activities ahead of the division identified schedules. Expenses incurred relative to these activities and in participating the division level competitions shall be charged against local or science club or school board funds subject to usual accounting and auditing rules and regulations.

6. It is expected that narrative report and pictorials will be submitted to the division on or before December 10, 2015 and January 28, 2016 respectively.

7. Members of the Working Committees and those who will be assigned in the different committees are allowed to travel a day before the start of the competition.





8. In order to harmonize and streamline the timeline of activities, and in order for us to deliver our services on time, it is suggested therefore that confirmation of attendance to the contest would be necessary in the earliest possible time. Please contact Mr. Mickrel N. Duller on mobile phone # 09306543100 (TnT) or 09267566308 (Globe) or e-mail on [mikeduller2005@yahoo.com](mailto:mikeduller2005@yahoo.com) or at facebook account of Mickrel Duller.

9. Widest dissemination of this memorandum to all concerned is desired.

**CALENDAR OF ACTIVITIES**  
**2015 SCHOOLS DIVISION SCIENCE QUEST AND FAIR**  
November 26-27, 2015 and January 19-20, 2016

A. **SCHOOL LEVEL:** - Open Date

B. **CONGRESSIONAL DISTRICT LEVEL:** - Not possible for this year

C. **DIVISION LEVEL:**

**C.1. November 26, 2015 – Elementary Level**

**Science Quiz** - (1) entry per district in G3, G4, G5, and G6 for Public Schools

**Science Quiz** - (1) entry per district in G3, G4, G5, and G6 for Private Schools

**On-the-spot painting** - (1) pupil per district in G3-G6 for Public and Schools

**On-the-spot painting** - (1) teacher per district in G3-G6 for Public and Schools

**On-the-spot painting** - (1) parent per district in G3-G6 for Public and Schools

Each contestant will provide his/her own materials. (pastel color and 20" x 30" master illustration board. The duration of the contest is two hours and should be along the theme "Science and Technology Advancement: Enhancing Quality of Life".

**Board of Judges**

Chairperson:	Ruben Enoy, Principal II, Lingasad ES, Polanco I, Zambo. Del Norte
Members:	Raul Dimasuhid, Principal I Bandera ES, Polanco I, Zambo. Del Norte  Dennis Cabasis, Teacher I Katipunan NHS, Zambo. Del Norte

**Criteria:**

Content	30%
Color Harmony	15%
Uniqueness	15%
Relevance to the theme	30%
Neatness	10%

*Note: The above-stated criteria will be used both in the elementary and secondary contests.*

**On-the-spot collage making** - (1) pupil per district in G3-G6 for Public and Schools

**On-the-spot collage making** - (1) teacher per district in G3-G6 for Public and Schools

**On-the-spot collage making** - (1) parent per district in G3-G6 for Public and Schools



**Board of Judges**

Chairperson: Juliet J. Velasco, Ed. D.  
EPS-1, Aral Pan

Members: Antonina D. Gallo  
PSDS, Mutia District

Rodelyn A. Jumawan  
Principal II, Luyoran ES, Katipunan II

Each of the contestants should provide his/her own materials. Contestants should use indigenous and recyclable materials of 4-6 kinds. Time limit of the competition is two hours and the theme should be focused on **“Science and Technology Advancement: Enhancing Quality of Life”**.

**Criteria**

Content	25%
Creativity	25%
Relevance to the theme	25%
Symbolism	15%
Neatness	10%

*Note: The above-stated criteria will be used in both elementary and secondary contest.*

**Science Intervention Materials (SIM)** - (1) team composed of 3 teachers handling G3-G6 (Public Schools)

**Board of Judges**

Chairperson: Mickrel Nomo Duller,  
EPS-1, Science

Members: Grace T. De La Cruz,  
EPS-1, Kindergarten

Fe G. Lakian, Ed. D.  
EPS-1, English

**Criteria:**

Content	30%
Color Harmony	15%
Uniqueness	15%
Relevance to the theme	30%
Neatness	10%

*Note: The above-stated criteria will be used in both elementary and secondary contests.*

**C.2. November 27, 2015 – Secondary Level**

**Science Quiz** - (1) entry per school in G7, G8, G9, and G10 for Public Schools  
**Science Quiz** - (1) entry per school in G7, G8, G9, and G10 for Private Schools  
**On-the-spot painting** - (1) student per school in G7-G10 for Public and Schools  
**On-the-spot painting** - (1) teacher per school in G7-G10 for Public and Schools  
**On-the-spot painting** - (1) parent per school in G7-G10 for Public and Schools

**Board of Judges**

Chairperson: Ruben Enoy, Principal II,  
Lingasad ES, Polanco I, Zambo. Del Norte

Members: Raul Dimasuhid, Principal I  
Bandera ES, Polanco I, Zambo. Del Norte

Dennis Cabasis, Teacher I  
Katipunan NHS, Zambo. Del Norte

**Criteria:**

Content	30%
Color Harmony	15%
Uniqueness	15%
Relevance to the theme	30%
Neatness	10%

*Note: The above-stated criteria will be used both in the elementary and secondary contests.*

**On-the-spot collage making** - (1) student per school in G7-G10 for Public and Schools

**On-the-spot collage making** - (1) teacher per school in G7-G10 for Public and Schools

**On-the-spot collage making** - (1) parent per school in G7-G10 for Public and Schools

**Board of Judges**

Chairperson: Juliet J. Velasco, Ed. D.  
EPS-1, Aral Pan

Members: Ervie A. Acaylar  
EPS-1, TLE  
  
Antonio R. Liao, DM  
EPS-1, EsP

**Science Intervention Materials (SIM)** - (1) team composed of 3 teachers handling G7-G10 (Public Schools)

**Science and Technology Fair** – has four contest categories. Below are the four categories:

- |   |                                 |    |                                     |
|---|---------------------------------|----|-------------------------------------|
| 1 | Life Science Individual Project | 3) | Physical Science Individual Project |
| 2 | Life Science Team Project       | 4) | Physical Science Team Project       |

**Science Fair (Please refer to DepED Memo No. 117, series of 2015)**

1. **Pinoy Robot Games.** *This competition is divided into three categories. This will be included in the 2016-2017 Division Science Fair.*

- a) Sumobot
- b) Line Tracingbot
- c) Fire Fighting Robot (autonomous)
- d) Innovative Robot (Remote Control / autonomous)
- e) Humanoid Challenge (Penguin Wars)

2. **The Research Competition**

The School and division level STF should refer to Enclosure No. 3 of DepED Memo No. 117, series of 2015 for the schedules of the competition.

The following are the forms and manuscripts to be submitted in all levels of the competitions:

- a) RESEARCH PLAN
- b) FORMS for all the projects
  - 1) Checklist for Adult Sponsor
  - 2) Student Checklist (1A)
  - 3) Research Plan (NOTE: No need to attach the Research Plan Instructions)
  - 4) Approval Form (1B)



- 5) Regulate Research Institutional/Industrial Setting Form (1C)
- c) FORMS depending on the type of research (e.g. involving humans, vertebrate animals, hazardous chemicals, etc.)
  - 1) Qualified Scientist Form (2)
  - 2) Risk Assessment Form (3)
  - 3) Human Participants Form (4)
  - 4) Human Informed Consent Form
  - 5) Vertebrate Animal Form (5A)
  - 6) Vertebrate Animal Form (5B)
  - 7) Potentially Hazardous Biological Agents Risk Assessment Form (6A)
  - 8) Human and Vertebrate Animal Tissue Form (6B)
  - 9) Continuation Project Form (7)
- d) Abstract (Maximum of 250 words)

The abstract should include the following:

  - 1) Purpose of the experiment
  - 2) Procedure
  - 3) Data conclusion

The abstract may NOT include the following:

  - 1) Acknowledgement
  - 2) Work of procedures done by the mentor
- e) Research paper (Include the Title Page, Abstract, Main Body, and References)
- f) Project Evaluation Form (see Enclosure No. 8)
- g) Scanned copy of the log book

*Note: The research project should cover a maximum of twelve (12) continuous months from January 2015 to December 2015.*

### **C.3. January 19, 2016 – Elementary Level**

**Science Writing in English** - One entry for Grade 3, Grade 4, Grade 5, and Grade 6 for Public Schools

**Science Writing in English** - One entry for Grade 3, Grade 4, Grade 5, and Grade 6 for Private Schools

#### **Board of Judges**

Chairperson: Fe G. Lakian, Ed. D.  
EPS-1, English

Members: Evelyn C. Labad  
EPS-1, LRMSD

Arcelita Zamoras, Ed. D.  
EPS-1,

**Science writing in Filipino** - One entry for Grade 3, Grade 4, Grade 5, and Grade 6 for Public Schools

**Science writing in Filipino** - One entry for Grade 3, Grade 4, Grade 5, and Grade 6 for Private Schools

#### **Board of Judges**

Chairperson: Anita D. Subebe, EMD  
EPS-1, Filipino

Members: Mary Antoniette E. Wahing  
Mt-1, Damasing ES, Rizal District

Mary Grace O. Elcamel.  
Teacher 3, Manukan East

**Science Impromptu Speaking** - One entry for Grade 3, Grade 4, Grade 5, and Grade 6 for Public Schools

**Science Impromptu Speaking** - One entry for Grade 3, Grade 4, Grade 5, and Grade 6 for Private Schools

**Board of Judges**

Chairperson: Grace T. De La Cruz,  
EPS-1, Kindergarten

Members: Juliet J. Velasco, Ed. D.  
EPS-1, Aral Pan

Arcelita Zamoras, Ed. D.  
EPS-1,

**Scie-Dama** -

- a. One (1) contestant per district for Water Patrol Sci-Dama ( G3-G4)
- b. One (1) contestant per district for Water Patrol Sci-Dama ( G5-G6)

**Chief Arbiter: Gina Ceprado**

**c.4. January 20, 2016 – Secondary Level**

**Science Writing in English** - One entry for Grade 7, Grade 8, Grade 9, and Grade 10 for Public Schools

**Science Writing in English** - One entry for Grade 7, Grade 8, Grade 9, and Grade 10 for Private Schools

**Board of Judges**

Chairperson: Fe G. Lakian, Ed. D.  
EPS-1, English

Members: Evelyn C. Labad  
EPS-1, LRMS

Arcelita Zamoras, Ed. D.  
EPS-1,

**Science writing in Filipino** - One entry for Grade 7, Grade 8, Grade 9, and Grade 10 for Public Schools

**Science writing in Filipino** - One entry for Grade 7, Grade 8, Grade 9, and Grade 10 for Private Schools

**Board of Judges**

Chairperson: Anita D. Subebe, EMD  
EPS-1, Filipino

Members: Laarni Recentes  
MT 2, Katipunan NHS

Nelia S. Lim  
Teacher 3, Sergio Osmeña NHS

**Science Impromptu Speaking** - One entry for Grade 7, Grade 8, Grade 9, and Grade 10 for Public Schools

**Science Impromptu Speaking** - One entry for Grade 7, Grade 8, Grade 9, and Grade 10 for Private Schools

**Board of Judges**

Chairperson: Fe G. Lakian, Ed. D.  
EPS-1, English

Members: Arcelita Zamoras, Ed. D.  
EPS-1

Juliet J. Velasco, Ed. D.  
EPS-1, Aral Pan

**Sci Dama**

- a. One (1) contestant for Electro Sci-Dama ( G7 )
- b. One (1) contestant for Sci-No Dama ( G8 )
- c. One (1) contestant for THI Sci-Dama ( G9 )
- d. One (1) contestant for Thermo Sci-Dama ( G10 )

**Chief Arbiter: Primo T. Dionaldo**

*Note: There will be separate winners for Public and Private schools*

**c.5. January 22, 2016 – Schools Division Search for the Little Prince and Princess in the Elementary and Search for Ginoo at Binibining Kalikasan for the Secondary Level**

**Venue:**

- a) Elementary Host school: Sindangan Pilot Demonstration School – SSES
- b) Sindangan National High School - STEM

**Participant:**

- a. One (1) male student contestant per district / school
- b. One (1) female student contestant per district / school

**Search Coordinators:**

- a. Agustina Magalso – Overall contest coordinator, SPDS
- b. Sindangan NHS-ESEP/STEM – Co-coordinator

*Note: 1. Interested elementary and secondary district / schools must send the names of their candidate/s on January 19, 2016 and January 20, 2016 to Mr. Mickrel N. Duller at mobile phone numbers and facebook account as stated in paragraph No. 8.*



### **GUIDELINES FOR THE SCIENCE QUIZ**

1. There should be four (4) rounds for all categories: Easy, Average, Difficult, and Clincher. There shall be ten (10) easy questions, five (5) average questions, and five (5) difficult questions. All contestants shall answer all questions in the 3 rounds. Each correct answer in every round will be given corresponding points, to wit:

Easy	-	1 Points
Average-	-	2 Points
Difficult	-	3 Points
Clincher	-	5 Points
2. Each contestant should bring a **piece of chalk** and **50 cm x 25 cm** illustration board/Show Me Board.
3. Each question must be answered within the time allocated for it. Time limit is ten (10) seconds for non-computational and thirty (30) seconds for computational.
4. The Quiz Master should read each question twice and the time should start only after the Quiz Master says, **"GO"**.
5. The contestants may begin to answer only after the Quiz Master says, **"GO"**.
6. The contestant must write his/her final answer on the illustration board/Show Me Board. If a contestant wishes to change his/her answer, the previous answer should be properly erased.
7. All answers must be spelled correctly to be considered correct. If the answer is a proper noun, capitalization of the first letter of the word is also a basis in declaring an answer correct.
8. Questions shall indicate the number of significant figures for numerical answers. Use of calculators **should not be allowed**.
9. After the time limit has expired, each contestant must show his/her answer to the audience before the Quiz Master reads the correct answer. The proctors should read and acknowledge whether the answer of each contestant is correct or not.
10. If the proctor cannot determine the validity of an answer, the board of judges must decide on the matter. The decision of the board of judges is **FINAL**.
11. Solutions may be checked by the board of judges if necessary.
12. The total score of a contestant after the third round should be computed. It should become his/her final score.
13. The contestant with the **HIGHEST FINAL** score should be declared as the **FIRST PLACE WINNER**, the second highest as the **SECOND PLACE WINNER** and the third highest as the **THIRD PLACE WINNER** and so on.
14. In case of tie, a Clincher round should be played. It should be a knock-out system between or among the contestants with tie scores until a winner emerges. The first one who can answer correctly would be declared winner.
15. The duly registered coach of the contestant is the only person authorized to file a protest. All protest should be referred to the Board of judges before the Quiz Master reads the next question. No protest should be entertained by the BOJ when the Quiz Master started reading the next question.
16. Any violation of the aforementioned rules should cause the disqualification of the contestant concerned.

## **GUIDELINES FOR JUDGING SCIENCE INTERVENTION MATERIALS COMPETITION**

1. There will only be one entry per school for the Division competition.
2. First and Second Place winners of the division will automatically represent the division in the regional contest.
3. In the regional level, Two Teams will be formed with 3 teachers in each team.
4. The contestants shall set up their ready-made SIM for 2 hours.
5. Points for the 3 items under replicability may be asked during the congress/actual judging.
6. The decision of the Board of Judges is final and un-appealable.

**CRITERIA FOR SCIENCE INTERVENTION MATERIALS (SIM)**

As adapted from enclosure No. 2 of DepED Memo No. 225, s. 2009

AREA	POINTS	1	2	3	4	5	6	7	8	9	10	11
<b>1. Sub tasking</b>	<b>15</b>											
• Competency-based	5											
• Bloom's Taxonomy followed	6											
• SMAR-C	4											
<b>Sub Total</b>												
<b>2. Congruence</b>	<b>15</b>											
• Activities in line with content and skills	5											
• Assessment in line with content and skills	10											
<b>Sub Total</b>												
<b>3. Usability/Functionality</b>	<b>45</b>											
• Language	3											
• Title card	2											
• Guide card	4											
• Activity card	14											
• Assessment card	3											
• Enrichment card	3											
• Reference card	3											
• Answer card	2											
• Packaging	8											
<b>Sub Total</b>												
<b>4. Replicability</b>	<b>25</b>											
• Validated before classroom use	5											
• Develop material based on least learned Competency	5											
• Material used improved mastery level	10											
• Handy and easy to copy	3											
• Cost	2											
<b>Sub Total</b>												
<b>GRAND TOTAL</b>	<b>100</b>											

NOTE: Points for the 3 items under replicability may be asked during the congress/actual judging.

Judge 1

Judge 2

Judge 3



