



Republic of the Philippines  
**Department of Education**  
Region VII, Central Visayas  
**DIVISION OF CEBU PROVINCE**  
Sudlon, Lahug, Cebu City



September 25, 2017

Division Memorandum  
No. 621, s. 2017

**2017-DIVISION SCIENCE FAIR AND COMPETITION-  
SECONDARY LEVEL**

To: Assistant Superintendents  
Chiefs, SGOD and CID  
Education Supervisors / Coordinators  
District Supervisors / OICs  
Secondary School Heads  
Heads, Private Secondary Schools

1. This office announces the conduct of the “ 2017-Division Science Fair and Competition-Secondary Level “ with the theme “ **Earthbeat : Excavating the Abyss, Pulsing the Current, Steering the Youth as Stewards of Sustainable Development** ” on **October 13, 2017** , at **Sibonga National High School , Sibonga, Cebu**.
2. Only the first place winners of the following categories in every municipality will be eligible to participate:
  - Science Quiz ( Written )(Grades 7 to 10 )
  - Science Quiz Bowl ( Oral -Individual Category )(Grades 7 to 10 )
  - Poster Making
  - Slogan Writing
  - Investigatory Project
  - SIM ( Teacher Category )
3. Relative to this, all public and private secondary schools are enjoined to participate this contest .
4. School heads are directed to ensure that no classes will be left unattended due to the attendance/participation of the said teachers to this competition.
5. Transportation , materials and other related expenses to be used in the contest and per diem incurred in connection with the activities shall be chargeable against Local School Board/SEF/School MOOE/PTA Funds /Science Club Funds or any available fund subject to the usual accounting and auditing rules and regulations.
6. Attached is the list 2017 - Division Science Fair and Competition Working Committees –Secondary Level Level, criteria for judging and registration forms. For those municipalities who are coming the day before please contact Mrs. Anselma Undalok of Sibonga NHS, Sibonga,Cebu –Cel. No. 09239391136 /(032) 486-9297
6. This Memorandum serves as **Authority to Travel** of the participants, coaches, Secondary Science Specialists, Secondary School Heads and District Supervisors.
7. Immediate dissemination of this Memorandum is desired .

  
**RHEA MAR A. ANGTUD, ED.D., CESO VI**  
Schools Division Superintendent

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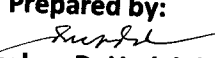
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**2017- DIVISION SCIENCE FAIR AND COMPETITION  
SECONDARY LEVEL  
OCTOBER 13, 2017**

- I. Science QUIZ-(Written) Grade-7--- Chairman: Anselma D. Undalok  
Members: Clarissa Belarmino  
Riza Yatoc *Rhea L. Banzon*  
Gladys Bejos  
Gina Vergara  
Ma. Leonora Taping
- II. Science Quiz-(Written) Grade-8--- Chairman: Rizalina Sambola  
Members: Michelle Famor  
Vina Marhta Laguria  
Esmeralda Rufin  
Suzette Omega  
Maria Verly Paulin
- III. Science Quiz (Written) Grade-9-----Chairman: Crispina Ambrad  
Members: Janet Gomez  
Mary Daudette Kiamko  
Althanena Sayson  
Gemma Palma  
Zocelyn Tribunalo
- IV. Science-Quiz (Written) Grade-10----- Chairman: Charisma Ambagay  
Members: Fidela Doroon  
Ronelo Buton  
Loida Avellanosa  
Lea Ferras
- V. Science Quiz( Orals) Grade-7-----Chairman: Rummel Engbino  
Members: Misphat Xylph Miral  
Juliet Salonoy  
Sherryl Monimio  
Glenda Roble  
Norie Galo
- VI. Science Quiz (Orals) Grade-8-----Chairman: Elvie Jayme  
Members: Maria Tresica Silvederio  
Rowena Espinosa  
Doris Antolijao  
Jesusa Ramirez
- VII. Science Quiz (Orals) Grade-9-----Chairman: Alvin Gerald Malig-on  
Members: Marjorie Caugdan  
Zosima Escarda  
Lydia Bulotano  
Alexandra De Guzman  
May Edalyn Pena
- VIII. Science Quiz (Orals) Grade-10----- Chairman: Lourdes Marissa Ogabang  
Members: Elisarie Tanjay  
Jessica Zoilo  
Diane Jane Cabahug  
Nori Bautro  
Benjamin Penalosa
- IX. Poster Making-----Chairman:-----Jun Mathew Ares  
Members:-----Rogene Estipona  
Clemente Abcede  
Francisca Ditan

*Armando Marsan  
Maylanie Andobo  
page 2 of 10 pages*

- X. Slogan Writing-----Chairman: -----Christina Cinco  
Members: -----Carlito Combis  
Ma. Carmita Tanato  
Ledwina Giangan  
Merlinda Lorenzana
- XI. Science Investigatory Project--- Chairman:-----Ryan Manubag  
Members: Roy Alexis Belarminno  
Jade Bacon  
Romin Sanchez  
Ivy Ursal  
Jean Alad-Morales  
Rima Joy Tejam  
Narciso Sasan  
Jane Cedeno
- XII. Strategic Intervention Materials----Chairman: Estrellita L. Quiamco  
Members: Pattterson Ponce  
Charlene Projella  
Mayada Landao
- XIII. Documentation and Awards: Chairman: Anselma D. Undalok  
Members: All Science Teachers in Sibonga NHS
- XIV. Registration: Chairman: Daylinda Cabatingan  
Members: All SCAAP Officers (Division of Cebu province Secondary)  
*Catherine C. Domasmog - Sibonga NHS*  
*Caroline T. Abad - Sibonga NHS*

Prepared by:  
  
**Anselma D. Undalok**  
Secretary

Noted by:

  
**JUVIMAR E. MONTOLO**  
EPS-Science

**1- CRITERIA FOR SCIENCE INVESTIGATORY PROJECTS**

**Scientific Thoughts and Engineering Goals -----30%**

- 1. Scientific Thought**
  - a. Brief and clear statement of the problem**
  - b. Well defined procedure**
- 2. Engineering Goals**
  - a. Clear and relevant objectives**
  - b. Economically feasible solutions**
- 3. Potential contributions/practical value**

**Creativity, Resourcefulness and Inventiveness-----30%**

- a. Creative ability in presenting the problem/ in the approach to solve the problem**
- b. Innovative design/ new idea shown**
- c. Intelligence and imagination in finding ways/ means to undertake the project**

**Thoroughness -----15%**

- a. Familiarity with scientific literature in the relative field**
- b. Awareness of other approaches or theories**
- c. Appropriateness of methodology**

**Research Skill-----15%**

- a. Use of laboratory equipment/ innovative resources**
- b. Appropriate, orderly and effective presentation of data**

**Oral Presentation Skill -----10%**

- a. Clear and thorough discussion of the project**
- b. Clarity and consciousness of explanation pertaining to important aspects of the research proposal**
- c. Presentation aided by AV materials**
- d. Over-all personality**
  - self confidence**
  - enthusiasm**

TOTAL : - - 100%



**CRITERIA FOR JUDGING**

**II-Science Quiz ( Written)- Grade 7 to 10**

- One participant for every year level
- Forty-item (40) tests for one (1) hour period
- Coverage is first and second quarter
- NO use of calculators

**III-Science Quiz (Oral -Individual Category )- Grade 7 to 10**

- One participant from each year level
- The following number of items/questions for the different levels of difficulty with their equivalent points

CATEGORY	NO. OF ITEMS	TIME ALLOTMENT	EQUIVALENT POINTS
a. EASY	10	30 seconds	1
b. AVERAGE	10	45 seconds	2
c. DIFFICULT	5	60 seconds	3

**Note:**

- In case of tie, a CLINCHER round shall apply with three (3) points per item until a lone winner for the First place is declared.
- Coverage is First and Second Quarter
- EASY and AVERAGE rounds will be provided with choices and NO choices for the DIFFICULT Round
- NO use of calculators

**IV-Poster Making Contest**

- Time allotment is two (2) hours
- Contestants are requested to bring one whole sheet white cartolina, pentel pen (black), My Gel or Pilot pen, pencil, ruler, and Cray-pas (NOT oil pastel )
- One(1) inch margin on all sides prepared in advance using pentel pen
- In tracing use only My Gel or Pilot pen shall be used (NOT colored pens)
- No additional text is allowed in the poster made

a. Relevance to the theme	-----	30%
b. Creativity / style	-----	30%
c. Technical skill	-----	20%
d. Neatness & Correctness	-----	10%
e. Visual Impact	-----	10%
Total :		100%

**V- Slogan Making Contest**

- Time allotment is one (1) hour
- Contestants are required to bring one-half (1/2) length-wise white cartolina, pentel pen (black), pencil, and “ Cray-pas “
- One(1) inch margin on all sides prepared in advance using pentel pen
- In tracing only My Gel or Pilot Pen shall be used and not colored pens
- Free-hand drawing shall apply. No curves and related materials shall be used.
- Maximum of seven (7) words, hyphenated word is one word, punctuation not included, no background
- It should start with an action word/ verb not gerund

a. Relevance to the theme	-----	30%
b. Creativity/ Style	-----	30%
c. Technical Skill	-----	20%
d. Neatness & correctness	-----	10%
e. Visual Impact	-----	10%
Total:		100%

**VI- CRITERIA FOR STRATEGIC INTERVENTION MATERIALS (SIM)**

AREA		ENTRIES					
		1	2	3	4	5	6
<b>1.Subtasking</b>	<b>15%</b>						
-Competency-based	5						
-Bloom's Taxonomy followed	6						
-SMAR-C (Specific, Measurable, Attainable, Relevant and Concise )	4						
<b>2.Congruence</b>	<b>15%</b>						
-Activities in line with content and skills	5						
-Assessment in line with content and skills	10						
<b>3.Usability/Functionality</b>	<b>45%</b>						
a.Language	3						
b.Title Card	2						
c.Guide Card	4						
d.Activity Card	14						
e.Assessment Card	3						
f.Enrichment Card	3						
g.Reference Card	3						
h.Answer Card	2						
i.Packaging	8						
j.Functionality	3						
<b>4.Replicability</b>	<b>25%</b>						
-Validated before classroom use	5						
-Developed Material based on least learned learning competency	5						
-Materials used improved mastery level	10						
-Handy and easy to copy	3						
-Cost	2						
<b>TOTAL</b>	<b>100%</b>						

**Note : Items a,b,h, & i of no.3 has no rubrics in attached separate page.**

**CRITERIA FOR STRATEGIC INTERVENTION MATERIAL**

- I. Guide Card** ..... %
1. Gives preview of what students will learn
  2. Stimulates interests in the topic
  3. Presents the focus skills
    - a. Mentions the learning competencies
    - b. States at least three sub-tasks (activities)
    - c. Builds on prior learning/pre-requisites
    - d. Mentions the concrete outcome or product students are expected to demonstrate/produce
  4. Cites briefly the activities
  5. Challenges the learner in performing the tasks
- II. Activity Card** ..... %
1. Translate the focus skills into at least three activities
  2. Provides activities that/where:
    - a. are organized based on the sequence of the focus skills (in the Guide Card)
    - b. have clear directions
    - c. provide examples to concretize the concepts particularly those drawn from real-life experience
    - d. students can complete independently, in parts, or in small groups
    - e. allow students to make discoveries and formulate ideas of their own
    - f. guides and challenges students' thinking and learning
    - g. uses local data and situations (e.g. interacting with people in the community)
  3. Provides transition statements that recognize students accomplishments
  4. Provides questions that:
    - a. guide the development of concepts/focus skill
    - b. elicit the message or meaning that a student can take away from an activity/experience
    - c. establish the relationship between the topic/lesson and what is/are familiar to them
    - d. develop the skills in the three domain
- III. Assessment Card** ..... %
1. Provide exercises, drills and activities that allow students to:
    - a. assess their understanding of what they have learned and correct errors when appropriate
    - b. monitor their learning and use feedback about their progress
  2. Formulates standard tests formats to give students practice in test-taking techniques
  3. Gives clear directions
  4. Provides an answer key (in separate card)
- IV. Enrichment Card** ..... %
1. Provides activities that reinforce the content of the lesson
  2. Provides opportunities for students to:
    - a. apply what they have learned to other subject areas or in new context
    - b. work independently or in groups to explore answers to their own questions
- V. Reference Card** ..... %
1. Provides readings that relate content with students experiences
  2. Provides a carefully researched list of resources that:
    - a. will reinforce concepts/skills learned
    - b. provide additional content not found in the textbook
    - c. students may refer for further reading
- VI. Functionality** ..... %
1. A study was conducted and submitted by the teacher as to why and how the SIM was prepared
  2. SIM has been in used:
    - a. Less than a year (1 point)
    - b. 1 - 3 years (4 points)
    - c. 4 years and more (5 points)
- VII. Replicability** ..... %

Total ..... 100%

**2017 DIVISION SCIENCE FAIR AND COMPETITION -SECONDARY LEVEL**

Venue: \_\_\_\_\_

Date: \_\_\_\_\_

**REGISTRATION FORM**

Municipality of \_\_\_\_\_, Cebu

1. Investigatory Project/s Individual Category	Name of Student/s or Participant/s	Name of Coach	Name of School
-Life Science			
-Physical Science			

Prepared by \_\_\_\_\_  
Secondary Science Specialist

Noted :

\_\_\_\_\_  
District Supervisor

**2017 DIVISION SCIENCE FAIR AND COMPETITION -SECONDARY LEVEL**

Venue: \_\_\_\_\_

Date: \_\_\_\_\_

**REGISTRATION FORM**

Municipality of \_\_\_\_\_, Cebu

1. Investigatory Project/s Team Category	Name of Student/s or Participant/s	Name of Coach	Name of School
-Life Science			
-Physical Science			

Prepared by \_\_\_\_\_  
Secondary Science Specialist

Noted :

\_\_\_\_\_  
District Supervisor



**2017 DIVISION SCIENCE FAIR AND COMPETITION -SECONDARY LEVEL**

Venue: \_\_\_\_\_

Date: \_\_\_\_\_

**REGISTRATION FORM**

Municipality of \_\_\_\_\_, Cebu

II-Science Quiz- Written	Name of Student/s or Participant/s	Name of Coach	Name of School
Grade 7			
Grade 8			
Grade 9			
Grade 10			

Prepared by \_\_\_\_\_  
Secondary Science Specialist

Noted :

\_\_\_\_\_  
District Supervisor

**2017 DIVISION SCIENCE FAIR AND COMPETITION -SECONDARY LEVEL**

Venue: \_\_\_\_\_

Date: \_\_\_\_\_

**REGISTRATION FORM**

Municipality of \_\_\_\_\_, Cebu

III-Science Quiz-Oral	Name of Student/s or Participant/s	Name of Coach	Name of School
Grade 7			
Grade 8			
Grade 9			
Grade 10			

Prepared by \_\_\_\_\_  
Secondary Science Specialist

Noted :

\_\_\_\_\_  
District Supervisor

**2017 DIVISION SCIENCE FAIR AND COMPETITION -SECONDARY LEVEL**

Venue: \_\_\_\_\_

Date: \_\_\_\_\_

**REGISTRATION FORM**

Municipality of \_\_\_\_\_, Cebu

IV -Poster Making Contest	Name of Student or Participant	Name of Coach	Name of School

Prepared by \_\_\_\_\_  
Secondary Science Specialist

Noted :

\_\_\_\_\_  
District Supervisor

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**2017 DIVISION SCIENCE FAIR AND COMPETITION -SECONDARY LEVEL**

Venue: \_\_\_\_\_

Date: \_\_\_\_\_

**REGISTRATION FORM**

Municipality of \_\_\_\_\_, Cebu

V-Slogan Making Contest	Name of Student or Participant	Name of Coach	Name of School

Prepared by \_\_\_\_\_  
Secondary Science Specialist

Noted :

\_\_\_\_\_  
District Supervisor

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**2017 DIVISION SCIENCE FAIR AND COMPETITION -SECONDARY LEVEL**

Venue: \_\_\_\_\_

Date: \_\_\_\_\_

**REGISTRATION FORM**

Municipality of \_\_\_\_\_, Cebu

V1-Strategic Intervention Material (SIM) Teacher Category	Name of Teacher or Participant	Name of Coach	Name of School

Prepared by \_\_\_\_\_  
Secondary Science Specialist

Noted :

\_\_\_\_\_  
District Supervisor