



Department of Education
Region X- Northern Mindanao
DIVISION OF MALAYBALAY CITY
Purok 6, Casisang, Malaybalay City



DIVISION MEMORANDUM

No. 600 s. 2016

To: Chief Education Supervisors, CID & SGO
Education Program Supervisors
Public Schools District Supervisors
Elementary & Secondary School Heads

2016-11-133
DepEd MALAYBALAY CITY DIVISION
RELEASED
Date: NOV 11 2016 4:50
By: [Signature]

From: [Signature] **EDILBERTO L. OPLENARIA, CESO VI**
Schools Division Superintendent

Date: November 11, 2016

Re: **CORRIGENDUM TO DIVISION MEMORANDUM NO. 526 S. 2016 RE: 8TH
MALAYBALAY CITY DIVISION INTEL. – PHILIPPINES SCIENCE FAIR
(PSF) AND YOUTH FOR ENVIRONMENT SCIENCE (YES) CAMP**

1. In consonance to Regional Memorandum No. 288 s. 2016 RE: One Day Scientific Session for EPSs in Science and Regional Documentary Evaluation on Manuscripts of 1st Placers in Division Science and Technology Fair to which Manuscripts for the Division entry to the Regional level shall be submitted on November 21, 2016 the Division Science Congress for Secondary Investigatory Project shall be rescheduled on **November 19, 2016** from November 23, 2016 at Bukidnon National High School all other events shall be held on **November 24 and 25, 2016** at **Managok National High School**.

2. Entries for Science Intervention Materials of teachers and Investigatory Projects for Elementary category can still be submitted on or before November 21, 2016 at the Division Office Attn: Analy L. Ocier EPS in Science.

3. Attached is the list of facilitators and judges to ensure an efficient and well managed activity.

Enclosure No. 1

Event	Facilitators	Judges
ELEMENTARY CATEGORY		
Science Intervention Materials	Imelda Egam	Mrs. Gretchen Catane Mrs. Imelda Bentillo Mrs. Ethel Lussier
Investigatory Project	Mirasol Espinosa Joy Ruth Tabamo	Mrs. Barbara Moreno Mrs. Katherine Villar Mrs. Ethel Gayona
On the Spot Poster Making Contest	Erwin Cabucos	Mr. Luis Alajar Mr. Peter Manriquez Mr. Johnrey Castillo
On the Spot Painting	Merry Lagunday	Mr. Luis Alajar Mr. Peter Manriquez Mr. Johnrey Castillo
Kabataang Bayani ng Kalikasan	Evelyn Palma	Mrs. Gemma A. Maramba Mrs. Irene Escrupulo Mrs. Sweet Maisry Goc ong
Collage	Lyndon Maglipong	Mrs. Joy Zamora Mr. Salley Moreno Mrs. Hazel Joy Bayola
Sayawit	Angelique Macapundag	Mr. Edsel Quemado Mr. Gary Garcia Ms. Gladys Galido
Lakan at Lakambini Kalikasan	Jocelyn Balino	Ms. Gretchen Catane Ms. Ethel Lussier Ms. Marsfifth Mamawag
Rocket Launching	Nymns Docdocil	Mr. Edsel Quemado Mr. Antonio Gera
SCI – DAMA Water Patrol	Nora Dutosme	
SCI – DAMA Power Patrol	Vincent Cabaling	
Environmental Quiz		
Grade III	Prescila Daus, Aileen Milar	
Grade IV	Joyce Lawreto, Juliet Evangelista	
Grade V	Sharon Jamago Rhea Villegas	
Grade VI	Jorelyn Jugan Glissy Callanta	
Egg Drop	Evelyn Ma	
Egg Transport	Maribethn Ordanza	
Bridge Building	Roel Polley	
Large Barge	Marciano Jurolan Valerie De Leon	
Paper Tower	Myrna Cahanap	
Paper Airplane	Ivy Eran	

SECONDARY CATEGORY		
Science Intervention Material	Arlene Doydora	Ms. Purisima J. Yap Ms. Josie D. Zamora Mr. Noel A. Tan Nery
YES-O Exhibit 3 in a team	Barbra Moreno	Ms. Ma. Antonietta Reburiano Ms. Liza Balintongog Ms. Ruly Crusio
Collage	Margie Causing Sally Moreno	Ms. Liza Balintongog Mr. Ricky Barcena Ms. Noemi Francisco
YES-O Spotlight	Johaira Masanang	Dr. Jesus V. Muring Mr. Evernold Berial
Docu- Kalikasan	Emily Joy Idulsa	Atty. Ophelia Pilar Zamora Ms. Mary Fe Gumayao Ms. Paulina Minao
Kabataang Bayani ng Kalikasan - Environmental Leadership	Angielyn Delos Reyes	Ms. Rachel Valde Ms. Sharon Bongocan Dr. Aba Q. Allaba
Kabataang Bayani ng Kalikasan - Environmental Heroism	Clarence Mark Gonzales	Ms. Virgilin Pizarro Ms. Ma. Concepcion Reyes Ms. Jovy G. Molina
On the Spot Poster Making Contest	Orminda Manaran	Dr. Manny Pimentel Mrs. Zelda Arceno Mr. Demi Pabillaran
On the Spot Painting	Joshua Aguilar Jennelyn Gomez	Ms. Coslita Muring Ms. Leny Ama Mr. Carlos Rara
Rocket Launching	Benjamin Ramos	Dr. Romil T. Jabonero Mr. Benjamin Buhawe
Environmental Quiz	Idaliz Calvez Joy Minoza,	
Egg Drop	Irene Belderol	
Egg Transport	Rio Arbutante	
Bridge Building	Bryan Uayan	
Large Barge	Leah Daba	
Paper Tower	Glenda Cacharo	
Paper Airplane	Jacinth Mae Nunez	
Super Magnet	Beryl Lopez	
Scientist Look Alike	Christine Mingo Irene Reyes	

ROCKET LAUNCHING

Construction and Operation Requirement

1. The pressure vessel must be ONE clear 2 liter bottle (i.e. NO green bottles allowed for use as pressure vessel),
 2. Water and air pressure will be the sole source of propellant.
 3. **Do not use metal, glass, or spikes to construct the rocket. *Use of these materials will automatically disqualify the team from the competition.***
 4. On the bottom of the rocket, leave 7.5 cm from the throat of the exit plane clear of any coverings (paint, markings, drawings, etc.),
 5. Maximum total height of rocket is 76.0 cm, see Diagram 1.
 6. Nose-cone tip must have a minimum radius of 1.5 cm, see Diagram 2
 7. Fins must start 10.0 cm from throat exit plane, see Diagram 2.
- Note: no forward swept type of fins are allowed to be used on the rocket.*
8. The maximum fin width distance from the bottle is 10.0 cm (or 16.5 cm from center of bottle axis). See Diagram 3
 9. The use of parachutes is NOT allowed.

The objective of the contest is for each team to launch a rocket propelled by water and air and reach a maximum height. The launch angle which can be adjusted from approximately 70 to 80 degrees, will be kept the SAME for all rockets launching during a particular competition. Each rocket will be launched using specified volume of water not to exceed 70 psi of air pressure. The “hang time” of the rocket will be measured using a stopwatch. **The “hang time” is defined as the time from when the rocket leaves the launch pad until the time it reaches the ground.** This measurement will be taken by at least three qualified judges; the average of the judges times will be used as the final “hang time”. The final score for hang time will be calculated based on the maximum hang time recorded during the competition, using the following formula:

Hang Time of Rocket	70 %
Creativity	15 %
Originality	<u>15 %</u>
	100%

Diagram 1

Rocket Identification

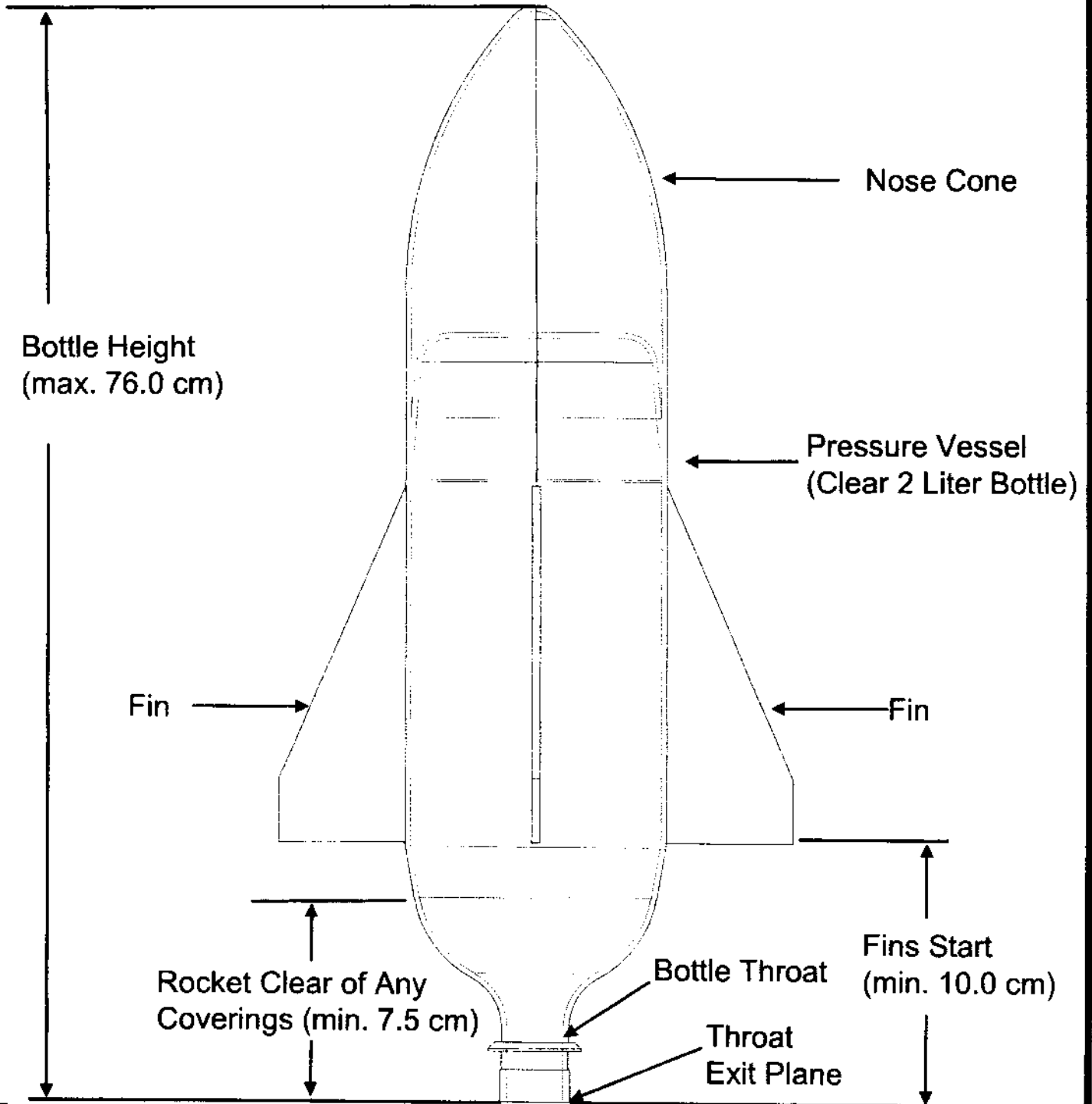


Diagram 2

Nose Cone Diagram

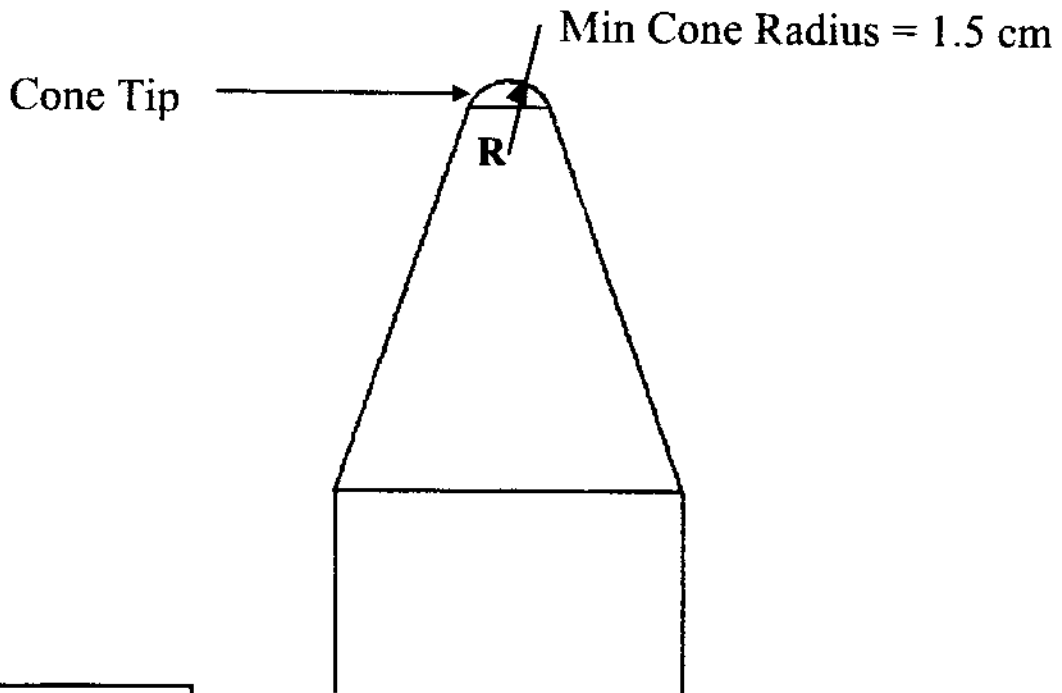
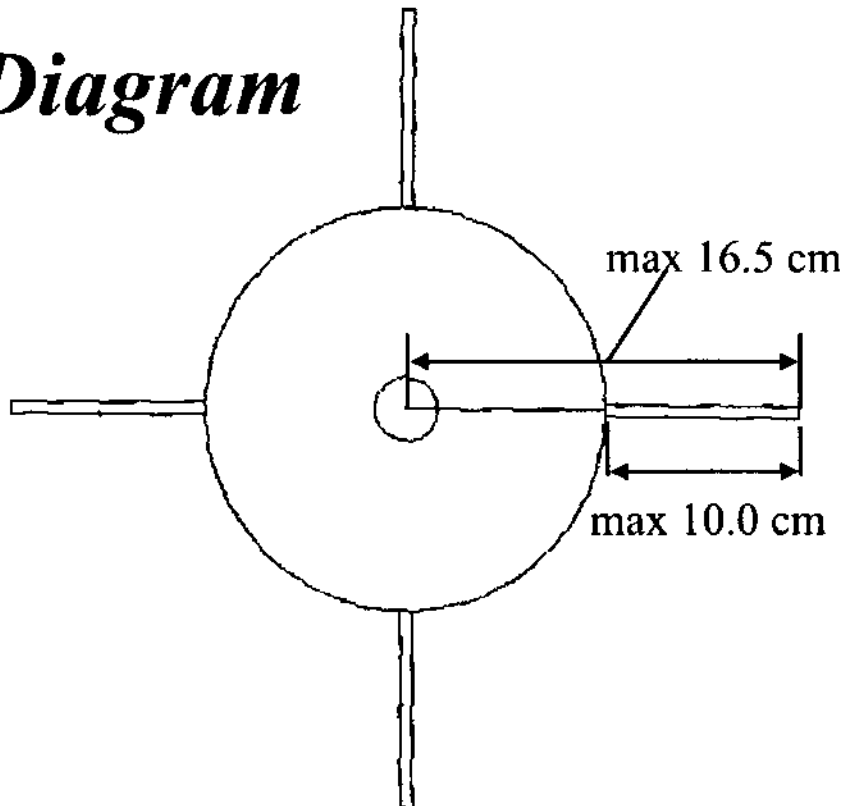
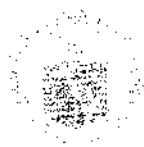


Diagram 3

Fin Diagram





October 18, 2016

REGIONAL MEMORANDUM

No. 178 s. 2016

TO : Schools Division Superintendents
This Region

Attention: Division Science- Education Program Supervisors

FROM : ALLAN G. BARNAZO
Director III

SUBJECT : One-Day Scientific Session for EPSs in Science and Regional
Documentary Evaluation on Manuscripts of 1st Placers in
Division Science and Technology Fair

DATE : October 18, 2016

1. Pursuant to DepED Memorandum No. 178 s. 2016, the Curriculum Learning and Management Division shall conduct a scientific session with Education Program Supervisors in science and Regional Documentary Evaluation on Manuscripts of 1st Placers in Division Science and Technology Fair on November 24, 2016 and Oral Presentation for the first three qualifiers on November 25, 2016 at the Regional Office Conference Hall, DepED Regional Office X, Upper Baidang, Cagayan de Oro City.

2. The scientific session aims to:

- a. discuss matters relative to participation of Region X to the National Science and Technology Fair (NSTF) on February, 2017, and
- b. promote science and technology consciousness among the STEM enthusiasts and identify the most creative project that will represent Region X to the National Science and Technology Fair.

3. There will be six categories of the paper manuscripts to be evaluated namely: Physical Science, Life Science and Robotics both individual and Team Categories.

4. Education Program Supervisors in science shall submit the manuscripts of the 1st Placers in the Division NSTF in four (4) copies on or before November 21, 2016 which shall be evaluated by the Board of Judges from Mathematics and Science Teachers' Training Institutions and partner agencies.

5. For your guidance kindly refer to enclosures 1-7 of DepED Memorandum No. 178 s. 2016.

6. This Office shall provide one (1) lunch and two (2) snacks for November 24, 2016 and November 25, 2016 activities to be charged to NSTF funds while accommodations, transportation and other expenses related to this activity shall be charged against Local/School/MOHE/Science Fairs subject to the usual accounting and auditing rules and regulations.

7. For information and strict compliance.



Republic of the Philippines

Department of Education

OFFICE OF THE DEPUTY SECRETARY
No. 176

21 OCT 2016

NATIONAL SCIENCE AND TECHNOLOGY FAIR FOR SCHOOL YEAR 2016-2017

- 1. Office Secretaries
- 2. Assistant Secretaries
- 3. Bureau and Service Directors
- 4. Regional Directors
- 5. Schools Division Superintendents
- 6. Principals of all Elementary and Secondary Schools
- 7. All Others Concerned

The Department of Education (DepEd), through its Bureau of Curriculum Development (BCD), announces the conduct of the **National Science and Technology Fair (NSTF) for School Year 2016-2017** from February 11 to 17, 2017 at a venue to be announced later. The conduct of the school, division, regional and NSTF shall be held on the following dates:

Level	Date
School	September 2016
Schools Division	October 2016
Regional	November 2016

1. The Science and Technology Fair (STF) aims to promote Science and Technology developments among the youth and to identify the most creative/innovative and the best Science projects that will represent the country in the late Internat ional Science and Engineering Festival (ISEF) and other international expositions. The students and the teachers/lecturers/high schools may participate in the STF.

2. The official participants from each region of NSTF shall only be the **Rank 1 Regional Winners** of each of the different categories whose entries have been approved by the national level Scientific Review Committee (SRC) if all projects are approved by the national level SRC, there shall be a maximum number of 14 official delegates per region. *Submitters shall not be allowed.* The description and maximum number of award participants are the following:

Description of Official Participants per Region	Maximum Number of Participants
Life Science Category	4
Physical Science Category	4
Robotics and Intelligent Machines Category	4
Multi-Category	2
Regional supervisor	0
Total	14