

November 11, 2014

DIVISION MEMORANDUM
No. 617, s. 2014

**TRAINING WORKSHOP ON IMPROVISATION, USE AND CARE OF SCIENCE AND MATH
EQUIPMENT/FACILITIES FOR ELEMENTARY AND SECONDARY SCHOOL (BATCH 1)**

TO : Assistant Superintendents
Division Supervisors/Coordinators
Elementary and Secondary School Heads

1. Attached is Regional Memorandum No. 667, s. 2014, dated October 27, 2014, re "Training Workshop on Improvisation, Use and Care of Science and Math Equipment/Facilities for Elementary and Secondary School Teachers (Batch 1)", on December 15 to 19, 2014, at Applied Nutrition Center, Banilad, Cebu City.
2. For details, see attached communication and enclosure.
3. This Memorandum serves as Travel Authority of all the participants.
4. Immediate and wide dissemination of this Memorandum is desired.

ARDEN D. MONISIT, Ed. D.
Schools Division Superintendent

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Republic of the Philippines
DEPARTMENT OF EDUCATION
Region VII , Central Visayas
DIVISION OF CEBU PROVINCE



**LIST OF TEACHERS TO ATTEND THE ORIENTATION ON THE USE
OF SCIENCE AND MATH EQUIPMENT**

Date: December 15-19, 2014

Venue:ANC,Banilad, Cebu City

Name of Recipient Schools	SCIENCE Teacher-Participant	MATH Teacher-Participant	Remark/s
1.Mantalongon NHS	Ma. Gertrudes Peras	Patricia P.Siteon	
2.Compostela NHS	Merlina A. Corezana	Nerry A. Bugtai	
3.San Remegio NHS	Marjorie Cauagdan	Diana Lynn Fernandez	
4.Buanoy NHS	Floresa Ababa	Marcela Lebios	
5.Buanoy NHS- Cabagdalan Ext.	Ma. Rizelda P. Camahalan	Ceres V. Natural	
6.Bongdo NHS	Princess Dianne M. Arnado	Eric T.Apundar	
7.Dona Milagros NHS	Charisse Potot	Rosalie Masindo	
8.Carmen NHS- Caurasan Ext.	Janrey Camongay	Christine Inocente	
9.Ceferino Sususco MNHS	Jelliri V. Ares	Jessie A. Sucalit	
10. Camp 7 NHS	Carmencita Lopez	Elizabeth Solomon	
11.San Jose NHS	Donabel I. Silor	Dindo B. Lumactod	
12.Santa Fe NHS	Mayada Landao	Romulo Paquingan	
13.Montealegre NHS	Beverly Jean L. Dy	Charina Guimbal	
14.Putat NHS	Aida Paglinawan	Ruben Sagolili	
15. Aloguinsan NHS	Rogene Estipona	Ella Taneca	
16.Argao NHS	Jessan Caminade	Annabel Teo	
17.Bartolome & Manuela Panares MNHS	Mae Liza Marinas	Orlando Canete	
18. Carmen NHS	Christina Cinco	Kristlisan Magarejo	
19.Consolacion NHS(night)	Iris S. Toledo	Bernardo I. Fiel Jr.	
20.Tayud NHS	Archie Toca	Cris Aguipto	
21.Liloan NHS	Marife Angulo	Ma. Jesusa Dimpas	
22.Kawit NHS	Rodilla P. Lingaro	Joel S. Villegas	
23.Tungkop NHS	Chique L. Inoc	Ricky S. Yabo	
24.Sangat NHS	Rosemariwen Renes	Jacinta Ocon	
25.Tuburan NHS	Martinietta Albano	Matosalem Patindol	



REPUBLIKA NG PILIPINAS
REPUBLIC OF THE PHILIPPINES
KAGAWARAN NG EDUKASYON
DEPARTMENT OF EDUCATION
REHIYON VII, GITNANG VISAYAS
REGION VII, CENTRAL VISAYAS
 Sudlon, Lahug, Cebu City



OCT 27 2014

REGIONAL MEMORANDUM

No. 667, s. 2014

**TRAINING WORKSHOP ON IMPROVISATION, USE AND CARE OF SCIENCE
 AND MATH EQUIPMENT/FACILITIES FOR ELEMENTARY AND SECONDARY
 SCHOOL TEACHERS (BATCH 1)**

To: Schools Division/City Superintendents
 Heads, Public Elementary and Secondary Schools

1. The Department of Education Region 7 (DepEdRO7) and the National Science Teaching Instrumentation Center (NSTIC) will conduct a series of Five-Day Cluster Training-Workshop for Elementary and Secondary School Teachers on Improvisation, Use and Care of Science and Math Equipment/Facilities starting November 17-21, 2014 at the Applied Nutrition Center (ANC), Banilad, Cebu City.
2. The training aims to:
 - a. help teachers develop improvised equipment/facilities in Science and
 - b. orient participants on the use and care of the standard Science and Math equipment/facilities delivered to the Schools.
3. Participants to this activity are the elementary and secondary school teachers from the nineteen Divisions. Please see enclosures for the matrix and the materials to be brought by each participant.
4. Below is the proposed tentative training date schedule. Should there be changes in the schedule you will be informed at least one (1) week before the scheduled date.

Secondary School Teachers' Training On Improvisation, Use and Care of Science Equipment			
Cluster	Date	Name of Division/No. of Participants	Venue
1	November 17-21, 2014	Bais City = 8	120 Applied Nutrition Center, Banilad, Cebu City
		Bayawan City = 32	
		Dumaguete City = 15	
		Guihulngan = 9	
		Tanjay City = 16	
		Siquijor = 15	
		Naga City = 19	
Tagbilaran City = 6			



Regional Director's Office: Tel. nos.: (032) 231-1433; 231-1309; Telefax 414-7399; 414-7325; Asst. Regional Director's Office Telefax: (032) 255-4542;
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 Website: <http://www.depedro7.com.ph>

"EFA 2015: Kawapatan ng Lahat, Pananagutan ng Lahat"

Secondary School Teachers of Recipient Schools on Use and Care of Science and Math Equipment						
Cluster	Date	Division	Participants		Venue	
			Science	Math		
Science and Math Equipment recipients	December 15-19, 2014	Bais City	3	3	Applied Nutrition Center, Banilad, Cebu City	
		Bayawan City	3	3		
		Bogo City	5	5		
		Bohol	31	31		
		Carcar City	12	8		
		Cebu City	26	12		
		✓ Cebu Province	25	25		✓
		Danao City	8	0		
		Dumaguete City	3	3		
		Guihulngan City	5	5		
		Lapu-Lapu City	6	6		
		Mandaue City	20	10		
		Naga City	2	2		
		Negros Oriental	9	9		
		Siquijor	3	3		
		Toledo City	2	2		
TOTAL		152	127	279		

4. Travelling expenses and the Registration fee (Three Thousand Seven Hundred Pesos (Php3,700.00) for live-in participants, and Two Thousand Seven Hundred Pesos (Php 2,700.00) for live-out participants) shall be collected from each participant chargeable against local/school MOOE/STE/SSES funds and other fund sources subject to the usual accounting and auditing rules and regulations. First meal will be dinner of Day 0 and the last meal will be afternoon snack of Day 5.

5. Widest dissemination of this Memorandum is desired.


CARMELITA T. DULANGON
 Director III 
 Officer-in-Charge

CTD/LC/mjed
 CLMD

**TOOLS, EQUIPMENT, RECYCLABLE MATERIALS TO BE BROUGHT BY EACH
PARTICIPANT FOR THE IMPROVISATION ON
November 17-21, 2014**

Tools each participant need to bring:

Quantity	Unit	Item Name
1	pair	Scissors, large, preferably with lower handle to fit 4 fingers
1	pc.	Crew driver, flat, 6"
1	pc.	Screw driver, Philips, 6"
1	pc.	Precision screw driver
1	pc.	Office cutter, large
1	pc.	Long nose pliers, 6"
1	pc.	Hammer, small
1	pc.	Mechanical pliers, 6"
1	pc.	Hack saw set (32 teeth per inch)

Recyclable materials each participant need to bring:

Quantity	Unit	Item Name
At least 2	pcs.	Empty cola or beer cans
1	pc.	Empty Gerber bottle (jar) or similar size glass jar (jelly, mayonnaise)
2	pcs.	2-liter water bottle, clear transparent plastic
1	pc.	Empty shoe box
5	pcs.	Pre-cut rubber from discarded slippers approximately 1" x 3" x 3"
At least 6	pcs.	Bottle caps (tansans)
1	pc.	Large (jumbo size) empty match box
6	pcs.	330-ml water bottle, clear transparent plastic
1	pc.	Empty Pringles tube with cover, or similar tube
At least 1	vol. each	Textbooks/reference materials for integrated science, biology, chemistry, physics

In-Service Training on Use, Care, and Improvisation of Science Equipment and Instructional Materials with Content Enrichment for Region 7 High School Science Teachers, Applied nutrition Center, Banilad, Cebu City, November 17-21, 2014

Day/Time	8:00-8:30	8:30-10:00	10:00-12:00	12:00-1:00	1:00-3:00	3:00-5:00
Day 1	Opening Program	Overview of Activities Organization Laboratory safety, management, basic skills	Construction of Alcohol Burner Air Convection Liquid Convection	L	Sun-Earth-Moon model	Sun-Earth-Moon model Thermal Expansion
DAY 2	Management of Learning	Thermal Expansion	Human Reproduction Model Human Anatomy Model	U	Microscope Plant Slide	CO ₂ and Photosynthesis
DAY 3	Management of Learning	Stable Isotopes of Hydrogen	Radial Paper Chromatography Filtration Setup	N	Charles Law Setup Basic Distillation Setup	Electrolysis
DAY 4	Management of Learning	Electric Circuits 1	Electric Circuits 2 Pinhole Camera	C	Transverse Standing Waves	Transverse Standing Waves
DAY 5	Management of Learning	Demonstration Experiments	Demonstration Experiments	H	Demonstration Experiments Evaluation Clearing house	CLOSING PROGRAM
				B		
				R		
				E		
				A		
				K		

Note: Overtime work may be done as needs arise

