



Republic of the Philippines
DEPARTMENT OF EDUCATION
Region X – Northern Mindanao
DIVISION OF MISAMIS ORIENTAL
A. Velez St., Cagayan de Oro City



DIVISION MEMORANDUM

No. _____, s. 2015

**TO: All Public Schools District Supervisors
Districts In-Charge/Coordinating Principals
All Secondary School Heads
All Elementary School Heads
This Division**

**FROM: CHERRY MAE L. LIMBACO, Ph.D., CESO V
Schools Division Superintendent**

RE: Addendum to the Conduct of 2015 Division Science Fair

DATE: September 22, 2015

1. Hereunder is the list of Investigatory Project entries that will present in the forthcoming **2015 Division Science Fair** on September 29, 2015 at Misamis Oriental General Comprehensive High School (MOGCHS), Velez St., Cagayan de Oro City:

- 1.1. Investigatory Project (Life Science-Individual) Elementary:
 - 1.1.1. Effect of Sugar on Mung Beans (*Vigna radiate*) Plant Growth
 - 1.1.2. Growth Performance of Corn (*Zea mays*) Using Vermicasts
 - 1.1.3. Herbal Ointment out of Guava Leaves, Malunggay Leaves and Calamansi for Minor Skin Injuries and Infections
- 1.2. Investigatory Project (Life Science-Team) Elementary:
 - 1.2.1. Combined Extract of Malunggay (*Moringa oleifera*) and Aloe Vera (*Aloe barbadensis*) with 70% Ethyl Alcohol as an Alternative Treatment for Open Wounds
 - 1.2.2. Healing Wonders of Lambayong Medicinal Soap
 - 1.2.3. Malunggay and Spinach Powder

- 1.3. Investigatory Project (Physical Science-Individual) Elementary:
 - 1.3.1. Biodegradable Plastic from Cassava (*Manihot esculenta*) Starch
 - 1.3.2. Ibane na Peel Extract Dishwashing Liquid (*Averrhoa bilimbi* and *Musa x paradisiaca*)
 - 1.3.3. Instant Ink from Charcoal
 - 1.3.4. Saba Banana Peels (*Musa acuminata* x *Musa balbisiana*) as a Potential Source of Bio-ethanol
 - 1.3.5. Yellow Ginger (*Zingiber officinale*) Extract and Honey as an Effective Acne Solution
- 1.4. Investigatory Project (Physical Science-Team) Elementary:
 - 1.4.1. A Comparative Study of Making a Cork Board from Waste Materials
 - 1.4.2. Cake out of Marang Seeds
 - 1.4.3. Ginger (*Zingiber officinale roscoe*) and Vinegar as Organic Insecticide
 - 1.4.4. Home-made Glue out of Antipolo (*Artocarpus*) Sap
 - 1.4.5. Home-made Water Still with Mosquito Trap
- 1.5. Investigatory Project (Life Science-Individual) Secondary:
 - 1.5.1. Effects of Different Media in the Growth of Lettuce Plants (*Lactuca sativa*) Using Hydroponics System
 - 1.5.2. Isolation and Identification of *Escherichia coli* Isolated from the Surface Water in Alubijid River, Alubijid, Misamis Diversity
 - 1.5.3. Monitoring the Present Condition of Mangroves in Punta Bonbon, Cagayan de Oro City
 - 1.5.4. Plant Survey in a Select Landscape Area of Initao-Libertad Protective Area
 - 1.5.5. The Procreation of Night African Crawler
- 1.6. Investigatory Project (Life Science-Team) Secondary:
 - 1.6.1. Golden Apple Snail (*Pomacea canaliculata*): Rice Bug (*Leptocorisa oratorius*) Attractor as Alternative Pesticides
 - 1.6.2. Malunggay (*Moringa oleifera*) Leaf Stalk Extract as Plant Nutrients Enhancer Through Foliar Spraying
 - 1.6.3. Mangrove Diversity of Mahayahay Intertidal Zone, Mahayahay, Cabug, Medina, Misamis Oriental
 - 1.6.4. Manyph: A Pest-repellant and Organic Fertilizer
 - 1.6.5. The Growth of Pechay (*Brassica rapa var chinensis*) in Improvised Aquaponics
- 1.7. Investigatory Project (Physical Science-Individual) Secondary:
 - 1.7.1. Cellphone Microscope
 - 1.7.2. Herbal Liniment for Asthma, Arthritis and Frozen Shoulder
 - 1.7.3. Phytochemical Screening, Proximate Composition and Utilization of *Annona muricata* Leaves
 - 1.7.4. RHA (Rice Hulls Ashes) and Plastic Wrappers as Ingredients for Cement Tile Production
 - 1.7.5. The Effect of GLOMES as an Insect Repellant

- 1.8. Investigatory Project (Physical Science-Team) Secondary:
 - 1.8.1. Allelopathic Inhibition of Gmelina Aborea Leaf Aqueous Crude Extract: A Potential Pre-Emergent Bioherbicide
 - 1.8.2. Prototype Water Level Warning System with LED Lights as Backup Indicator
 - 1.8.3. Quick and Easy Home-made Shoe Polish
 - 1.8.4. Solar Oven
 - 1.8.5. The Amazing Saging-Saging: Fibers from Heliconia Rostrata

2. The researchers are advised to submit three (3) printed copies of the abovementioned studies on or before September 28, 2015 to Mr. Celieto B. Magsayo, Curriculum Implementation Division (CID), Misamis Oriental Division Office, Velez Street, Cagayan de Oro City.

3. It is reiterated that in the interest of fair play, during oral presentations, proponents **SHOULD NOT WEAR UNIFORM** and/or any indicator/s that will identify them to a school. Printed copies should only bear the name/s of the proponent/s, **NOT THE NAME OF THE SCHOOL.**

4. Immediate and wide dissemination of this memorandum is desired.

CLL/cbm