



OFFICE OF THE SANGGUNIANG BAYAN

Municipal Building, Poblacion, Bulalacao, 5214, Oriental Mindoro

EXCERPTS FROM THE MINUTES OF THE REGULAR SESSION OF THE SANGGUNIANG BAYAN OF BULALACAO, ORIENTAL MINDORO HELD ON DECEMBER 21, 2009 AT THE SANGGUNIANG BAYAN SESSION HALL

PRESENT:

Hon. Teresita S. Bantugan	-	Presiding Officer
Hon. Emelita A. Osorio	-	Sang. Bayan Member
Hon. Eduardo C. Acheron	-	-do-
Hon. Rosalinda M. Cabagay	-	-do-
Hon. Gideon B. Abuel	-	-do-
Hon. Guillermo G. Salas, Jr.	-	-do-
Hon. Leonardo A. Andallon	-	-do-
Hon. Ramon G. Magbanua	-	-do-
Hon. Senen C. Familara	-	-do-
Hon. Virgelio M. Astillo	-	Pangulo, Liga ng mga Brgy.
Hon. Ronelle G. Feranil	-	SK Fed. President

ABSENT: None

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SPECIAL ORDINANCE NO. 09-12-58

AN ORDINANCE ENACTING THE COMPULSORY INCLUSION OF ENVIRONMENTAL EDUCATION SUBJECT IN THE CURRICULUM OF ALL PUBLIC AND PRIVATE SCHOOLS IN THE MUNICIPALITY OF BULALACAO, ORIENTAL MINDORO EFFECTIVE SY-2010 AND APPROPRIATING FUNDS THEREFOR

SPONSOR: Councilor Gideon B. Abuel
CHAIRMAN: Committee on Education
CO-SPONSOR: Councilor Rosalinda M. Cabagay

BE IT ORDAINED by the Sangguniang Bayan of Bulalacao, Oriental Mindoro:

SECTION 1. Statement of Policy. It is hereby declared as a policy to start environmental education with the young children and the youth in order to promote solid waste management and pollution as well as Coastal Resource Management Program by including them in the curriculum of both public and private schools in the Municipality of Bulalacao, Oriental Mindoro;

SEC. 2. The mandatory inclusion of environmental education subject in the curriculum of both public and private schools in the Municipality of Bulalacao, Oriental Mindoro is hereby adopted. Said environmental management education shall include but not be limited to the study of the planet earth; solid waste management and pollution; ecological concepts; coastal resource management and; recycling and solid waste management;

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SEC. 3. COVERAGE. The scope of Environmental Education for Grades 4-6 as well as High School shall cover the following:

Grade 4 – Introduction of Environmental Education

Goal: Introduce pupils to environmental principles and ecological concepts.

Objective: Enable pupils to identify local ecosystems, including some of the main organisms, and understand the interconnectedness of natural life.

Topics:

1. 9 Environmental Principles
2. Ecology and Ecosystems
 - a. Forest
 - b. Grassland
 - c. Upland
 - d. Mangrove
 - e. Seagrass
 - f. Coral
 - g. Open Ocean

3. Food Webs

4. Habitat

Project: Identification of Local Ecosystem and their inhabitants.

Grade 5 – Planet Earth

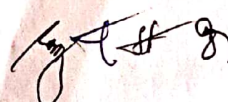
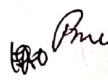
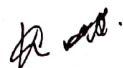
Goal: Introduce pupils to the 4 spheres of the Earth.

Objectives: Enable pupils to further investigate the function of all regions and aspects of the planet.

Topics:

1. 4 Spheres
 - a. Hydrosphere
 - i. Water Cycle
 - ii. One Ocean, One World (Hand on Hand*)
 - b. Atmosphere
 - i. The Air we breath (Hand in Hand*)
 - c. Lithosphere
 - d. Biosphere
 - i. Producers and Consumers (Photosynthesis and Respiration)
 - ii. Plant for Your Future (Hand on Hand*)
 - iii. Where Have all the Animals Gone? (Hand in Hand*)

2. Human Impacts and Intrusions



Grade 6 – Solid Waste Management and Pollution

Goal: Introduce pupils to the effects of pollution, especially with regards to improper disposal of solid wastes.

Objective: Enable the pupils to understand their role within maintaining a clean and healthy environment.

Topics:

1. Solid Waste Management
 - a. Recycling
 - b. Biodegradation and Composting
 - c. Garbage Everywhere (Hand in Hand*)
2. Pollution
 - a. Point and Non-Point Sources
 - b. Air
 - c. Water

Project: Recycling and Solid Waste Information Campaigns and Development.

1st Year-Continued Environmental Education

Goal: Continue students education and awareness of environmental principles and ecological concepts, as well as the current issues that threaten them.

Objective: Enable students to identify threats to natural and man-made ecosystems as well as the human role in natural cycles.

Topics:

1. 9 Environmental Principles
2. Ecology and Ecosystems
 - a. Local Ecosystem- Divide class into 5 groups responsible for presentation development
 - i. Upland
 - ii. Mangrove
 - iii. Seagrass
 - iv. Coral (Crest Manual*)
 - v. Urban
3. Food Webs
 - a. Biodiversity
 - b. Human Exploitation of Food Web
4. Habitat
 - a. Destruction due to development
 - i. Fish pond
 - ii. Urban Run-Off

Project: Creation of a Local Ecosystem Profile including threats and action plans for change.

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2nd Year-Environmental and CRM Tools

Goal: To educate students about Participatory Coastal Resource Assessment modules and PACA.

Objective: Enable students to become aware of environmental policy issues and the importance of the community in environmental decisions.

Topics:

1. Stakeholders
2. PCRA
3. PACA
 - a. Transect Walks
 - b. Seasonal Calendars
 - c. Resource Maps
 - d. Trendlines

Project: Development of PCRA Toolkits

3rd Year-Solid Waste Management and Pollution

Goal: Review Principles of Solid Waste Management and Pollution then continuing with Global Warming, Climate Change and Ozone Depletion Issues.

Objective: Enable to student to understand the effect of pollution on a global and local scale and identify pollutants and natural compounds that affect the planet.

Topics:

1. Solid Waste Management
 - a. Recycling
 - b. Biodegradation and Composting
2. Pollution
 - a. Global Warming
 - b. Climate Change
 - c. Ozone Depletion
 - d. Effects on Natural Ecosystems and then humans

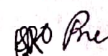
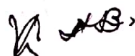
Projects: Recycling and Solid Waste Management Project.

4th Year-Capstone Experience

Goal: Expand knowledge about Environmental Issues and CRM through group project.

Objective: Develop community based initiative that links youth and community programs.

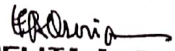
SEC. 4. Funding the amount of Two Hundred Seventeen Thousand Two Hundred Forty Five Pesos (Php217,245.00) from Municipal Annual Budget FY-2010 is hereby allocated for the purpose of implementing this Ordinance.



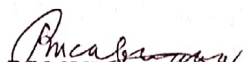
SEC. 5. Implementation of this Ordinance shall be done through the Department of Education in close coordination with the Municipal Government of Bulalacao.


SEC. 6. This Special Ordinance shall take effect in SY-2010.

ENACTED this 21st day of December, 2009, Bulalacao, Oriental Mindoro.

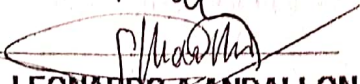

EMELITA A. OSORIO
SB Member

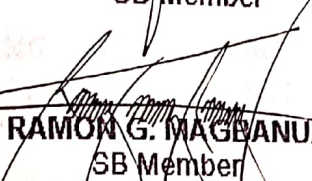

EDUARDO C. ACERON
SB Member

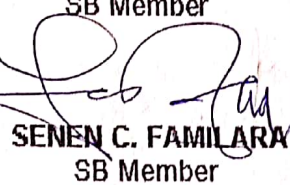

ROSALINDA M. CABGAY
SB Member



GIDEON B. ABUEL
SB Member


GUILLERMO G. SALAS, JR.
SB Member


LEONARDO A. ANDALLON
SB Member

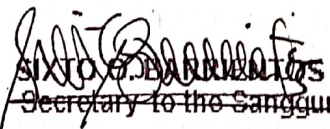

RAMON G. MAGSANUA
SB Member


SENEC C. FAMILARA
SB Member


VIRGELIO M. ASTILLO
Pangulo, Liga ng mga Barangay

RONELLE G. FERANIL
SK Fed. President

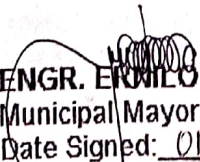
CERTIFIED TRUE AND CORRECT:


SIXTO S. BARRIENTOS
Secretary to the Sanggunian

ATTESTED:


TERESITA S. BANTUGAN
Municipal Vice Mayor/Presiding Officer

APPROVED:


ENGR. ERONILO C. VILLAS
Municipal Mayor
Date Signed: 01-21-2010