



DEPARTMENT OF EDUCATION
SCHOOLS DIVISION OF

NEGROS ORIENTAL

Flourishing the Paths to Educational Excellence



Division Memorandum
July 27, 2017

To : Dr. Beda Jovenciana Davad
PSDS, Dauin District

Dr. Fe Zuñiga
PSDS, Siaton 2 District

Subject : **REQUEST FOR PERMISSION FOR DAUIN AND SIATON DISTRICT 2 TO JOIN THE EDUCATIONAL ACTIVITIES OF THE MARINE CONSERVATION PHILIPPINES LED BY MS. ANNELIES ANDRINGA**

Attached please find the communication of Ms. Annelies Andringa, Science and Education Officer of the Marine Conservation Philippines requesting that the schools in your districts be allowed to join the different educational activities of the said organization.

As the Public Schools District Supervisors you are urged to sit down with Ms. Andringa and discuss with her the mechanics of the different activities and make appropriate decisions as to whether the activities adhere to DepEd issuances. Kindly refer to DepEd Order No. 9, s. 2005 entitled *"Instituting Measures to Increase Time-on-Task & Ensuring Compliance Therewith* and DepEd Order No. 42, s. 2016 entitled *"Policy on Daily Lesson Preparation for the K to 12 Basic Education Program."*

For your guidance and compliance.

SALUSTIANO T. JIMENEZ, CESO VI
OIC-Asst. Regional Director

Concurrent Schools Division Superintendent

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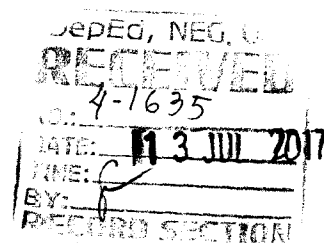
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28 JUL 2017



Zamboanguita, July 13 2017

Salustiano T. Jimenez
 CESO VI
 OIC Office of the Assistant Regional Director
 Concurrent OIC
 Office of the Schools Division Superintendent
 Dumaguete City, Negros Oriental



Beda Davad
 District Supervisor
 Dauin Central Elementary School
 Poblacion, Dauin

Topic: Lessons about various topics at schools in Dauin

Dear Sir Jimenez,

Greetings!

We would kindly ask permission for expanding our educational activities and involve two high schools in Dauin in our program.

Marine Conservation Philippines is an NGO based in Lutoban, Zamboanguita. Volunteers from all over the world join our organisation for 1-3 months to help with marine conservation. We monitor the health of the reef and assist the Coastal Resource Management Departments of Zamboanguita and Siaton with for instance demarcation of Marine Protected Areas. We have also developed an education program which covers various marine and environmental subjects. So far we have been working closely together with the Zamboanguita Science High School but we would like to expand our activities.

Because several schools would like to join the education program we combine the requests in one letter. Annex 1 shows the lesson plans for the different lessons we have developed. Each next annex shows the program for the individual schools that are interested in the program with dates and times.

The overall objective of the lessons is to provide the students a greater awareness of the environment and what they can do to protect it. Annelies Andringa (phone number 09062315423) from Marine Conservation Philippines will be teaching the lessons. She is the Science and Education Officer of MCP and responsible for development of educational material and teaching at various

schools . Her background is in marine biology and she is a licensed secondary school Biology teacher in the Netherlands. She has worked in the environmental education sector for several years. Annelies will sometimes be accompanied by enthusiastic volunteers of MCP who have an interest in teaching. MCP will provide all the learning tools, like a tv screen or projector and laptop if the school does not have these.

We hope the Department of Education will see our lessons as a good opportunity for students to learn more about the marine environment and their realization that they can make a difference in the protection of marine life and their environment.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Annelies Andringa', with a stylized, flowing script.

Annelies Andringa

Science and Education Officer
Marine Conservation Philippines

Annex 1 Lesson plans

Waste management

Duration: 1 hour

Total number of lessons: 3-4

Objectives:

Students will learn

- How to properly manage your waste
- How much waste they produce
- The influence of bad waste management on your day to day life
- What they can do to produce less waste
- How to make others aware of their litter behaviour
- How to be creative with waste
- Recycling and upcycling

Lesson 1 Introduction to solid waste management

Lesson 2 My own waste

Lesson 3 School clean-up or clean-up in the barangay

Lesson 4 Use waste to make art

Plastic pollution

Duration: 1 hour

Total number of lessons: 3-4

Objectives:

Students will learn

- The effect of plastic on the oceans
- How plastic is made
- The effect of plastic on marine life
- How to protect marine life from plastic
- How much plastic they use
- How to do a beach clean-up

Lesson 1 Introduction to plastic pollution

Lesson 2 Plastic and marine life

Lesson 3 How much plastic do we use

Lesson 4 Project

Ocean Life

Duration: 1 hour

Total number of lessons: 2

Objectives:

Students will learn

- The different animals that live in the ocean, including mammals, fish, and invertebrates
- The importance of a big variety of animals living in the ocean
- Threats to animals
- The importance of the protection of ocean life

Lesson 1 Which animals live in the ocean?

Lesson 2 Threats to animals and how to protect them

Biodiversity

Duration: 1 hour

Total number of lessons: 1

Objectives:

Students will learn

- What is biodiversity
- The importance of biodiversity

Coral reef

Duration: 1 hour

Total number of lessons: 3

Objectives:

Students will learn

- To develop understanding and awareness of the coral reef
- How the coral reef functions
- How to protect the coral reef
- The importance of the adjacent ecosystems mangroves and seagrass

Lesson 1 Introduction to coral reef

Lesson 2 Doing research on the reef

Lesson 3 Mangroves and seagrass

Threats to the ocean

Duration: 1 hour

Total number of lessons: 1

Objectives:

Students will learn

- Different threats that influence the ocean and ocean life, like overfishing, climate change, bleaching
- The importance of the protection of ocean life

Lesson 1 Threats to the ocean

Marine Protected Areas

Duration: 1 hour

Total number of lessons: 1

Objectives:

Students will learn

- What an MPA is
- The importance of MPAs
- MPAs in the Philippines

Lesson 1 Marine Protected Areas

Annex 2 Dauin National High School

Joelou M. Aguirre
Principal Dauin National High School
Poblacion 2, Dauin

Dauin National High School has expressed an interest in receiving lessons about Waste management, Plastic pollution and Threats to the ocean for grade 7-10. We would like to teach the lessons in September, which is designated as Science Month. MCP will be teaching every Tuesday and Wednesday in September starting Tuesday September 5. The lessons will not interfere with the regular schedule of classes and will include the following lessons:

Plastic pollution

Grade: 8,9,10

Total number of lessons: 3

Maximum number of students: 100 students for lesson 1 and 2, 50 students for lesson 3

Waste management

Grade: 7, 10

Total number of lessons: 3-4

Maximum number of students: 100 students, except for lesson 3 for grade 7 which has no limit.

Adjusted lesson program for Dauin National High School

Lesson 1 Introduction to solid waste management

Lesson 2 My own waste

Lesson 3 Use waste to make art/ Campus clean-up (grade 7 only)

Lesson 4 Use waste to make art (grade 7 only)

Threats to the ocean

Grade: 9

Total number of lessons: 1

Maximum number of students: none

Annex 3 Dauin Science High School

Christian A. Tubog
Principal Dauin Science High School
Poblacion 2, Dauin

Dauin Science High School has expressed an interest in receiving lessons about Biodiversity, Marine Protected Areas, Ocean life, Coral reef, Waste management, Plastic pollution and Threats to the ocean for grade 7-12. In the annex the lesson plans for the lessons are included. We would like to teach the lessons every other week on Tuesday and Wednesday from 4.10-5 pm when there are no lessons scheduled starting July 25 in the months July, August, September and October. Our lessons will not interrupt the regular schedule of classes. We will also discuss with the Science teacher how we can assist her with the Research courses. The Dauin Science High School is interested in the following lessons:

Waste management

Grade: 7

Total number of lessons: 4

Ocean Life

Grade: 8

Total number of lessons: 2

Biodiversity

Grade: 8

Total number of lessons: 1

Plastic pollution

Grade: 9

Total number of lessons: 4

Threats to the ocean

Grade: 9

Total number of lessons: 2

Coral reef

Grade: 10

Total number of lessons: 3

Marine Protected Areas

Grade: 11,12

Total number of lessons: 1

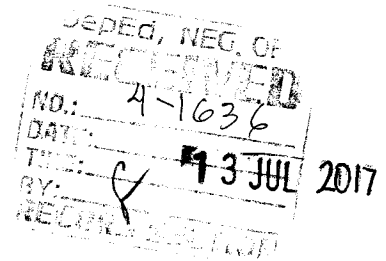


Zamboanguita, July 13 2017

Salustiano T. Jimenez
CESO VI
OIC Office of the Assistant Regional Director

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Office of the Schools Division Superintendent
Dumaguete City, Negros Oriental

Fe K. Zuniga
District Supervisor
PSDS
Siaton 3 District
Maloh Central Elementary school
Maloh, Siaton



Topic: Teacher training and lessons about various topics at schools in Siaton District 3

Dear Sir Jimenez,

Greetings!

We would kindly ask permission for expanding our educational activities and involve several elementary and high schools in Siaton District 3 in our program.

Marine Conservation Philippines is an NGO based in Lutoban, Zamboanguita. Volunteers from all over the world join our organisation for 1-3 months to help with marine conservation. We monitor the health of the reef and assist the Coastal Resource Management Departments of Zamboanguita and Siaton with for instance demarcation of Marine Protected Areas. We have also developed an education program which covers various marine and environmental subjects. So far we have been working closely together with the Zamboanguita Science High School but we would like to expand our activities.

Because several schools would like to join the education program we combine the requests in one letter. Annex 1 shows the lesson plans for the different lessons we have developed. Each next annex shows the program for the individual schools that are interested in the program with dates and times.

The overall objective of the lessons is to provide the students a greater awareness of the environment and what they can do to protect it. Annelies Andringa (phone number 09062315423) from Marine Conservation Philippines will be teaching the lessons. She is the Science and Education

Officer of MCP and responsible for development of educational material and teaching at various schools . Her background is in marine biology and she is a licensed secondary school Biology teacher in the Netherlands. She has worked in the environmental education sector for several years. Annelies will sometimes be accompanied by enthusiastic volunteers of MCP who have an interest in teaching. MCP will provide all the learning tools, like a tv screen or projector and laptop if the school does not have these.

We hope the Department of Education will see our lessons as a good opportunity for students to learn more about the marine environment and their realization that they can make a difference in the protection of marine life and their environment.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Annelies Andringa', with a stylized, cursive script.

Annelies Andringa

Science and Education Officer
Marine Conservation Philippines

Annex 1 Lesson plans

Teacher training Interactive teaching

Duration: 1 day or 2 half days

Objectives:

- Provide teacher with more examples of interactive teaching methods and how to use them
- Evaluate and discuss the use of interactive methods in the classroom

Lessons

Waste management

Duration: 1 hour

Total number of lessons: 3-4

Objectives:

Students will learn

- How to properly manage your waste
- How much waste they produce
- The influence of bad waste management on your day to day life
- What they can do to produce less waste
- How to make others aware of their litter behaviour
- How to be creative with waste
- Recycling and upcycling

Lesson 1 Introduction to solid waste management

Lesson 2 My own waste

Lesson 3 School clean-up or clean-up in the barangay

Lesson 4 Use waste to make art

Plastic pollution

Duration: 1 hour

Total number of lessons: 3-4

Objectives:

Students will learn

- The effect of plastic on the oceans
- How plastic is made
- The effect of plastic on marine life
- How to protect marine life from plastic
- How much plastic they use
- How to do a beach clean-up

Lesson 1 Introduction to plastic pollution

Lesson 2 Plastic and marine life

Lesson 3 How much plastic do we use

Lesson 4 Project

Ocean Life

Duration: 1 hour

Total number of lessons: 2

Objectives:

Students will learn

- The different animals that live in the ocean, including mammals, fish, and invertebrates
- The importance of a big variety of animals living in the ocean
- Threats to animals
- The importance of the protection of ocean life

Lesson 1 Which animals live in the ocean?

Lesson 2 Threats to animals and how to protect them

Biodiversity

Duration: 1 hour

Total number of lessons: 1

Objectives:

Students will learn

- What is biodiversity
- The importance of biodiversity

Coral reef

Duration: 1 hour

Total number of lessons: 3

Objectives:

Students will learn

- To develop understanding and awareness of the coral reef
- How the coral reef functions
- How to protect the coral reef
- The importance of the adjacent ecosystems mangroves and seagrass

Lesson 1 Introduction to coral reef

Lesson 2 Doing research on the reef

Lesson 3 Mangroves and seagrass

Threats to the ocean

Duration: 1 hour

Total number of lessons: 1

Objectives:

Students will learn

- Different threats that influence the ocean and ocean life, like overfishing, climate change, bleaching
- The importance of the protection of ocean life

Lesson 1 Threats to the ocean

Marine Protected Areas

Duration: 1 hour

Total number of lessons: 1

Objectives:

Students will learn

- What an MPA is
- The importance of MPAs
- MPAs in the Philippines

Lesson 1 Marine Protected Areas

Annex 2 Maloh Provincial Community High School

Juliet Rubio

Principal Maloh Provincial Community High School

Maloh, Siaton

Maloh Provincial Community High School has expressed an interest in receiving a teacher training and lessons about Waste management for grades 7-10 and Ocean life for grade 9 and 10. We would like to start the lessons about Waste management in July. The lessons will not interfere with the regular schedule of classes and together with the principal mam Rubio the times of the lessons will be planned. On advice of District Supervisor mam Zuniga the teacher training is planned for the last week of October when there are no lessons. The Maloh Provincial Community High School is interested in the following lessons:

Teacher training Interactive teaching

Duration: 1 day

Waste management

Grade: 7-10

Total number of lessons: 3

Ocean Life

Grade: 9,10

Total number of lessons: 2

Annex 3 Maloh Central Elementary School

Gemma Barrantes
Principal Maloh Elementary School
Maloh, Siaton

Maloh Central Elementary School has expressed an interest in lessons about the marine environment for grade 5 and 6. We would like to start the lessons in July. We will come on a monthly basis in which we provide one lesson for all the sections of grade 5 and 6. The start of the lessons is July 28, on which we will teach 2 sections simultaneously so the classroom setting will be not too big. The lessons will not interfere with the regular schedule of classes and together with the principal mam Barrantes the times of the lessons will be planned. The Maloh Central Elementary School is interested in the following lessons:

Waste management

Grade: 5,6

Total number of lessons: 3

Ocean Life

Grade: 5,6

Total number of lessons: 2

Plastic pollution

Grade: 5,6

Total number of lessons: 3

Coral reef

Grade: 5,6

Total number of lessons: 2

Threats to the ocean

Grade: 5,6

Total number of lessons: 1

Biodiversity

Grade: 5,6

Total number of lessons: 1

Annex 4 Salag Elementary School

Nila P. Cataluna
Principal Salag Elementary School
Salag, Siaton

Salag Elementary School has expressed an interest in lessons about the marine environment for grade 5 and 6. We would like to start the lessons in July. We will come on a monthly basis in which we provide one lesson for all the sections of grade 5 and 6. The start of the lessons is July 19 and will continue every 3rd Wednesday of the month. The lessons will not interfere with the regular schedule of classes and together with the principal mam Cataluna the times of the lessons will be planned. The Salag Elementary School is interested in the following lessons:

Waste management

Grade: 5,6

Total number of lessons: 3

Ocean Life

Grade: 5,6

Total number of lessons: 2

Plastic pollution

Grade: 5,6

Total number of lessons: 3

Coral reef

Grade: 5,6

Total number of lessons: 2

Threats to the ocean

Grade: 5,6

Total number of lessons: 1

Marine Protected Areas

Grade: 5,6

Total number of lessons: 1