



Republic of the Philippines
Department of Education
NATIONAL CAPITAL REGION

SCHOOLS DIVISION OFFICE OF MUNTINLUPA CITY

Office of the Schools Division
Superintendent

MAR 08 2023

DIVISION MEMORANDUM

**DIVISION TEACHERS' AND STUDENTS' TRAINING WORKSHOP IN SCIENCE IN
PARTNESHIP WITH WWF-PTC-CSJ FOUNDATION, EDUCATION FOR
SUSTAINABLE DEVELOPMENT**

To: OIC – Assistant Schools Division Superintendent
Chief Education Supervisor, Curriculum Implementation Division
Chief Education Supervisor, School Governance and Operations Division
Public Elementary School Heads / OICs
All Others Concerned

1. This Office announces the Division Teachers' and Students' Training Workshop in Science in partnership with WWF-PTC-CSJ Foundation, Education For Sustainable Development (ESD)

2. Attached is the training matrix with the list of teachers and school participants.

Participants	Venue	Date	Time
Teachers Training	SDO 4 th Floor Activity Area	Mar. 15-16, 2023	8:00-11:30am –District I 1:00-5:00pm-District II
Students Training	To be Conducted in their respective schools	Mar 21-23 and 28, 2023 Mar. 29-30, 2023	9:00-11:30am-District I 1:00-4:00pm- District II

3. Immediate and wide dissemination of this Memorandum is desired.


CARLEEN S. SEDILLA CESO V
Schools Division Superintendent

Encl: As stated
Reference: None
To be indicated in the Perpetual Index
Under the following subjects:

TRAINING

TEACHERS

EDUCATION

ASO/DM- DIVISION TEACHERS' AND STUDENTS' TRAINING WORKSHOP IN SCIENCE IN PARTNESHIP WITH WWF-PTC-CSJ
FOUNDATION, EDUCATION FOR SUSTAINABLE DEVELOPMENT

088/ March 8, 2023

UN-2023-088



Student Center for Life Skills Bldg., Centennial Ave, Brgy Tunasan,
Muntinlupa City
(02) 8805 - 9935, (02) 8805 - 9940
sdo.muntinlupa@gmail.com



088

WWF – PTC-CSJ Foundation

WATER, SANITATION AND HYGIENE

*Everyone has the human right to safe drinking water. This holds true in stability and in crisis, in urban and rural contexts, and in every country around the world. **When children don't have access to clean water, it negatively impacts their health, nutrition, education and every other aspect of their lives.** – UNICEF*

Our recent experiences with the COVID 19 pandemic have further highlighted the importance of water in various aspects of our well-being, especially with repeated reminders to constantly and thoroughly wash our hands. Aside from safe drinking water, access to clean water is important to our hygiene.

Unfortunately, UNICEF reports that almost a fourth of the global population lack access to safe drinking water and more than half have no access to safe sanitation. (United Nations Children's Fund (UNICEF), n.d.) And with the worsening impacts of the climate crisis and the consequences of pollution, our water security is further put at risk.

The proposed environmental education program of WWF-Philippines and PTC-CSJ for 2023 will focus on water with links to climate change, biodiversity degradation. Special emphasis will also be given on hygiene and sanitation, recognizing the dependence of human health on the health of the planet and the cleanliness of the environment.

As with the past runs, the proposed program will have these three major activities: Training for Teachers, Demo-Teaching and Education Sessions for Students.

TEACHERS' TRAINING

A face-to-face training session will be conducted for teachers from different public elementary schools in Muntinlupa City. Teachers from different curricular subjects who have not attended the previous trainings will be given priority. The program will be spread over two half-days. Two batches will be held in order to accommodate teachers assigned to morning and afternoon classes without disruption to their regular school schedule.

Schools	12 partner schools
Teachers	112 teachers
Proposed Schedule	March 15 and 16, 2022 AM: 8:00 – 11:30 PM: 1:30 – 5:00

Proposed Program

Day 1

TIME	ACTIVITY	OBJECTIVES
10 mins	REGISTRATION	
30 mins	WELCOME REMARKS PROGRAM FLOW	- Who are we and what do we do? - What is this workshop about? - What will happen throughout the whole day?
20 mins	HUMAN BINGO	- Who are my co-participants? - How familiar am I with different environmental topics
40 mins	SCIENCE OF CLIMATE CHANGE	- What is weather? What is climate? - What is climate change?
30 mins	CLIMATE CHANGE AND I	What are my personal observations and experiences about the changing climate? (SNACKS)
20 mins	CLIMATE CHANGE CAUSES AND IMPACTS	- What are the causes and effects of climate change? - How do people contribute to climate change? - How are people responding to the effects of climate change?
40 mins	BIODIVERSITY CONSERVATION	- What is biodiversity ? - What are examples of endangered species in the country? - What are the threats to our environment?
40 mins	CAMP KALIKASAN	- Navigation - Content - Usage and Demonstration

Day 2

TIME	ACTIVITY	OBJECTIVES
10 mins	REGISTRATION/RECAP	
45 mins	WATER	- How much water do we need? How much water do we have? - Where does water come from? How can we save water? - How are water and climate change connected?
30 mins	WASH and WinS in Schools	- School Audit - Water Sources, - Water Consumption/Usage - Wash Areas - Hygiene and Sanitation Practices - How does our school contribute to climate change?
45 mins	TEACHERS FOR THE ENVIRONMENT	EDUCATION for SUSTAINABLE DEVELOPMENT (ESD) - What is ESD? - Dimensions and cornerstones of ESD

40 mins	YOUR CLIMATE, YOUR FUTURE	TRANSLATING LESSONS INTO THE CLASSROOM - How can environmental topics be introduced in different subject areas? - What are whole-school approaches to ESD?
30 mins		REPORTING
20 mins	REMINDERS and EVALUATION	- What new things did I learn from the workshop? - What are my realizations? - Next Steps: School Visits and Demo Teaching
15 mins	CLOSING CEREMONIES	- Closing Remarks - Distribution of Certificates - Photo Opportunities

DEMO-TEACHING

In partnership with DepEd-Muntinlupa, selected teachers from the 12 partner schools of PTC-CSJ will be given the opportunity to share how they are able to integrate lessons on water, hygiene and sanitation into their respective curricular subjects and classroom activities.

Schools	12 partner schools
Teachers	12 teachers (1 teacher per school)
Proposed Schedule	April 25 to 27, 2023 (4 demo sessions per day)

ENVIRONMENTAL EDUCATION SESSIONS FOR STUDENTS

For this phase, the lead subjects will be Science and MAPEH. Two 40-minutes sessions will be allotted for discussion on water and water-related issues and personal hygiene practices that are beneficial to both human and planetary health. Waste management will also be discussed as part of sanitation.

Schools	12 partner schools
Students	Grade 5 Students 3-4 sections only (preferably lower sections) per school
Proposed Schedule	March 21- 23, 2023 (6 schools) March 28- 30, 2023 (6 schools)

Proposed Program

Water and Sanitation (Session 1: 40 minutes integrated in Science)

TOPICS		ACTIVITIES
Introduction	Who are we and what do we do?	Sign Language
	How much water do we use?	Math game
Water Consumption and Hygiene	- For health and hygiene - For our food and drinks - For our materials and supplies - For everyday activities	Flashcards game Charades Water Footprinting Activity

Water Source and Storage	How much water do we have? • Salt Water vs Freshwater • Breakdown of Freshwater Sources Where does our water come from? • Water Cycle How do we store water? • Watersheds • Water systems in Muntinlupa	Maps and Graphs Role Playing
Water Distribution	Do we have enough for everybody? • Water scarcity around the world • Water scarcity in the Philippines	Videos
Water Scarcity and Sanitation	What are the causes of water scarcity? • Wastage • Pollution • Climate Change	Lecture I-spy game
Water Solutions	What can we do? • Wise Water Usage • Waste Management • Rainwater Collection	Tips

ESD Culminating Activity on Hygiene (Session 2: 40 minutes integrated in MAPEH) – For the second session, the students will be distributed between these two break-out sessions:

a.) Soap Making

Students attending this session will observe a soap-making demonstration and learn about alternative cleaning materials that they can prepare and use at home. They will also be asked to make a poster/slogan about water, hygiene and sanitation.

- DIY cleaning materials (kathalifestylestore.com)

b.) Female Hygiene

Students attending this session will discuss female hygiene and they will also be introduced to alternative products that ladies can use during their monthly period.

- Possible partner for zero waste female hygiene: Sinaya (www.sinayacup.com)

Education for Sustainable Development (ESD) with WWF
Grade 5 Students (3 to 4 Sections)
March 21-23 and 28, 2023- District I
March 29, 30, 2023- District II

DISTRICT I

3G PARTNER-SCHOOL	March 21, 2023		March 22, 2023		March 23, 2023		March 28, 2023	
	9:00-11:30AM	1:00-3:30PM	9:00-11:30AM	1:00-3:30PM	9:00-11:30AM	1:00-3:30PM	9:00-11:30AM	1:00-3:30PM
Poblacion Elem. School	X							
Itaas Elem. School		X						
Muntinlupa Elem. School			X					
Lakeview Integrated School				X				
Bayanan Elem. School Main					X			
F. De Mesa Elem. School						X		
Tunasan Elementary School							X	
Putatan Elementary School								X

DISTRICT II

3G PARTNER-SCHOOL	March 29, 2023		March 30, 2023	
	9:00-11:30AM	1:00-3:30PM	9:00-11:30AM	1:00-3:30PM
Alabang Elementary School	X			
Buli Elementary School		X		
Cupang Elementary Sch. Main			X	
Sucat Elementary School				X

WWF-PTC-CSJ TEACHERS TRAINING

MARCH 15-16, 2023

SCHOOLS	SCHOOL HEAD	TEACHER PARTICIPANTS	TIME
ELEMENTARY DISTRICT I			
Bayanan Elem. School	Mr. Edizer Laqueo	Ma. Shaira D. Dela Cruz Pauline L. Tambis Loise Tiffany V. Villarias Sarah Jane A. Bonayon Mary Jane Balanquit	8:00am-11:30am
F. De Mesa Elem. School	Mr. Reynaldo Comisario	Jeca Faye R. Cabatac Liesel B. Monana Ma. Hana Joy T. Velasco Elsie D. Montimor Mark Joseph P. Salazar	
Itaas Elem. School	Dr. Antonio C. Gagala	Lyca Napilitan Jovy O. Descutido Henry M. Ferrer Annalyn R. Arinez Jeremy Grace V. Palo	
Poblacion Elem. School	Dr. Raul T. Felix	Maria Elena B. Espeleta Teodora C. Mariano Maria Annie N. Catabay	
Muntinlupa Elem. School	Dr. Ma. Aurora Bartolaba	Cypruss Escat Jennifer Esmundo Jedalyn Landrito Herdelyn Bagnate James Balaguer	
Putatan Elem. School	Mr. Felipe W. Marapao	Ara Anissa T. Vivo Jobert R. Cabanig Ediene Allyna S. Solano Salvacion A. Pelea Eugene F. Placio	
Soldiers Hills Elem. School	Ms. Noemi B. Zarate	Shara Janet T. Tapar Jinnallyn O. Oliva Richvilma M. Villesco Sunday L. Gallego Lea L. Patanao	
Tunasan Elem. School	Dr. Jennifer Joson	Carrey Ann B. Camitan Karen Kate Dela Cruz Emerson B. Mape Raffy Q. Pedroza Ruby Ann S. Diaz	
Victoria Homes Elem. School	Mrs. Ma. Hazel Hernandez	Alfredo Jr. Azcarraga Rheyjean Benzon	
Lakeview Integrated School	Dr. Rosendo Sanggalang	Czarina P. Lopenza Ellah Grace Andaleza Evelyn Cristo Rina Catherine Gallano Malbar H. Cabrejas	

ELEMENTARY DISTRICT II			
Alabang Elem. School	Dr. Shella C. Navarro	Jan Carlo Recana Gerylyn Amodia Janella Edmarie G. Cado Jelly L. Fernandez Jienelyn Alberto	1:00-5:00pm
Bayanan Elem. School Unit I	Dr. Buena C. Dela Cruz	Bamba, Candie Joy E. Cambronero, Gemmaly C. Constantino, Louie Anne E. Gonzales, Krystal Dawn C.	
Filinvest Alabang Elem. School	Mrs. Olivia G. Elloso	Yra Joy A. Relor Merry Apple P. Tenorio Shermaine Vingno Madel L. Agason Cherrylou C. Ramos	
Bagong Silang Elem. School	Mrs. Eden G. Cado	Joe-Ann L. Gallego Bernadette Mateo Rowen San Pedro	
Buli Elem. School	Mr. Hilario G. Canasa	Loida A. Doligon Austene I. Delos Santos Aljoy S. Ilumin	
Cupang Elem. School	Mrs. Rhodora Mandap	Diona Lyne P. Nava Leila Marie C. Loraya Janet E. Lincuico, Sheryl R. Delos Santos Almarie F. Morales	
Cupang Elem. School Annex	Mrs. Marie Ann Esmeria	Claudin R. Dilon Aurea P. Gascon Rhomalyn Narvas Aireen G. Pablo, Martina Gebriel J. Guivencan	
Sucat Elem. School Sucat Annex Z3	Dr. Jaime G. Bautista	Marife R. Reyel Myrna R. Teope Lani L. Tejada	
Sucat Elem. School Sucat Annex Z4	Mrs. Alma Bituin	Jean C. Gacos Maricel M. Balmonte Lea T. Evangelista	
Sucat Elem. School	Dr. Jane May Valbuena	Chandy Marie E. Panido Verlynjoy M. Binay Maria Lyreen A. Marino Ruth C. Kandil	