



Republic of the Philippines
Department of Education
REGION X – NORTHERN MINDANAO
SCHOOLS DIVISION OF EL SALVADOR CITY

15 June 2021

DIVISION MEMORANDUM
No. 226, s. 2021

**FUNDAMENTAL UNDERSTANDING IN SCIENCE (FUN SCIENCE): DEVELOPING
SCIENCE TEACHER'S PERSONAL SELF-EFFICACY AND SUBJECT-SPECIFIC SELF-
EFFICACY**

To: **CID and SGOD Chiefs**
All Public Elementary and Secondary School Heads
All Public Elementary Science Teachers
All Public Secondary Teachers
All Other Concerns

1. Subsequent with the results of the 2019 Program for International Student Assessment (PISA), the Philippines was placed at the bottom among other countries that underwent the same test. This result prompted the government through the Department of Education to review the delivery of basic education in the country. One of the aspects that has been given focus is how teachers facilitate learning in the classroom. In this connection, this office with the partnership of University of Science and Technology of Southern Philippines (USTP-CDO) shall conduct a two month course on Fundamental UNDERstanding in Science (FUN Science): Developing Science Teacher's Personal Self - Efficacy and Subject - Specific - Self - Efficacy.
2. The training will be fully online using both synchronous and asynchronous modes of learning. Synchronous classes will use Google Meet while asynchronous activities will be through USTeP.
3. All teachers teaching Science in Elementary and Science in Secondary are strongly enjoined to enroll for FREE in this course. All teacher participants shall register at <http://bit.ly/FUNScience> before June 30, 2021.
4. The training shall start from July 12 to September 3, 2021. A ceremonial launching of the course and signing of the memorandum of agreement (MOA) will be done on July 7, 2021 9:00am – 10:00 am while the opening program and orientation for all teachers will be done on the same day at 10:00am to 12:00 noon.
5. Additional information on the implementation of this course will be detailed in the attachment.
6. Communication expense not exceeding to P 50.00 per online session shall be charged against school MOOE or other available funds subject to usual accounting and auditing rules and regulations.





Republic of the Philippines
Department of Education
REGION X – NORTHERN MINDANAO
SCHOOLS DIVISION OF EL SALVADOR CITY

7. This Office shall adhere to Equal Opportunity Principle (EOP) in the conduct of Fundamental Understanding in Science (FUN Science): Developing Science Teacher's Personal Self – Efficacy and Subject – Specific – Self – Efficacy. Hence, all decisions and actions shall be based on guidelines set forth, with no discrimination on the account of age, gender, identity, sexual orientation, civil status, disability, religion, ethnicity or political affiliation.
8. Immediate and wide dissemination of this memorandum is desired.

OLGA C. ALONSABE, PhD., CESE
Asst. Schools Division Superintendent
OIC-Office of the Schools Division Superintendent

Attch: As Stated
To be indicated in the Perpetual Index
under the following subjects
Science





Republic of the Philippines
Department of Education
REGION X – NORTHERN MINDANAO
SCHOOLS DIVISION OF EL SALVADOR CITY

Attachment No.1 to Division Memorandum 226 s. 2021

I. Important Schedule

Activity	Schedules	Remarks
Enrolment	June 21 – 30, 2021	http://bit.ly/FUNScience
Launching and MOA Signing	July 7, 2021 (9:00am – 10:00am)	Link to be sent thru email
General Orientation for Participants	July 7, 2021 (9:00am – 10:00am)	Link to be sent thru email
Course	July 12, 2021 – September 3, 2021	Once a week online class and independent learning for all outputs

II. Program of Activities for Elementary Science Teachers

Duration	Topic/ Activity	Resource Speaker
July 12 – 23, 2021	The Phases of the Moon and the beliefs and practices associated with it.	Prosibeth G. Bacarrisas, MSc – USTP Science Education Faculty
	Constellations and the information derived from their location in the sky	
	Survey the different weather patterns and seasons in the Philippines	
July 26 – August 2, 2021	Reproduction of non-flowering plants	Angelo Mark P. Walag, PhD
	Reproduction among humans, animals and plants and certain observable characteristics that are passed from parents to offspring.	
	The major organs of the human body and how they work together to form organ systems.	
August 9 – August 20, 2021	Materials undergo changes due to oxygen and heat	Faith M. Guimary, MEd
	Different types of mixtures and their characteristics	
	Different techniques to separate mixtures	
August 23 – September 3, 2021	A simple DC circuit and the relationship between electricity and magnetism in electromagnets	Merlyn G. Gonzales, MSc – USTP Science Education Faculty
	Gravity and friction affect movement of objects.	
	How energy is transformed in simple machines	





Republic of the Philippines
Department of Education
REGION X – NORTHERN MINDANAO
SCHOOLS DIVISION OF EL SALVADOR CITY

III. Program of Activities for Secondary Science Teachers

Duration	Topic/ Activity	Resource Speaker
July 12 – 23, 2021	Characteristics of comets, meteors, and asteroids The relationship between the visible constellations in the sky and Earth's position along its orbit	Mary Allein Antoenette C. Bug-os, MSc
July 26 – August 2, 2021	The structure and function of mitochondrion as the main organelle involved in respiration The information stored in DNA as being used to make proteins	Govanni B. Cagurin, MN
August 9 – August 20, 2021	The identity of a substance according to its atomic structure The particle nature of matter as basis for explaining properties, physical changes, and structure of substances and mixtures. How gases behave based on the motion and relative distances between gas particles.	Ronnie L. Besagas, MSc – USTP Science Education Chair
August 23 – September 3, 2021	Charges and the different charging processes. Current- voltage resistance relationship, electric power, electric energy, and home circuitry. Generation, transmission, and distribution of electrical energy from power plants (hydroelectric, geothermal, wind, nuclear) to home.	Lowell M. Gabunilas, Med – USTP Science Education Faculty

CID/ jac



Address: Zone 3, Poblacion, El Salvador City | Tel. No. (088) 555-0475
Website: www.depedelsalvadorcity.net | Email: elsalvador.city@deped.gov.ph