



Republic of the Philippines
Department of Education
Cordillera Administrative Region
SCHOOLS DIVISION OF BAGUIO CITY

DEPED DIVISION OFFICE
BAGUIO CITY

RELEASED
DATE: FEB 14 2023
TIME: _____
BY: *my*

February 10, 2023

DIVISION MEMORANDUM
No. 058, s. 2023

**TRAINING-WORKSHOP ON THE USE OF SCIENCE EQUIPMENT FOR HIGH SCHOOL
SCIENCE TEACHERS**

To: CID Chief Education Supervisor
Science Education Program Supervisor
Public Schools District Supervisors
Public Secondary School Heads
Identified Secondary School Science Teachers
All Others Concerned

1. Relative to the upskilling and reskilling of science teachers which is in support to the Program of the Department of Education and effort to ensure that no Filipino learner would be left behind, this office through Curriculum Implementation Division (CID) in collaboration with the ScienceStar Corporation, Philippines will conduct Training-Workshop on the Use of Science Equipment for the High School Science Teachers on March 11, 2023, 8:30 AM onwards (Saturday) at Sto. Tomas National High School- Sto. Tomas, Baguio City.
2. The objective of this activity is to enhance the skills of science teachers on the use of science equipment.
3. The Matrix of activity is attached as Annex A.
4. The participants are the Science teachers of the recipient schools of PASCO equipment. (see list of participants as Annex B). One (1) day service credit will be given to the teacher participants while one (1) day Compensatory Overtime Credit (COC) for non-teaching personnel.
5. Participants in the activity need to bring their own lab gowns and strictly comply with protocols on social distancing and implement precautionary measures consistent with the IATF health protocols, DOH protection protocols, local quarantine rules and all other relevant protocols outlined in DepEd and DepEd Task Force COVID-19 issuance.
6. Immediate dissemination of this memorandum to all concerned is desired.

FEDERICO B. MARTIN, CEEd, EdD, CESO V
Schools Division Superintendent



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Annex A-Matrix

March 11, 2023 – Morning Session		
Time	Activities/Program	Details
8:30-8:45	Registration	
8:45 AM	Opening Remarks	Coun. Vladimir D. Cayabas Committee on Education and Cultural Ethics Baguio City Council
9:00 AM – 10:00 AM	Introduction to sensor and software.	SPARKvue software how to:
		1. Connect sensors
		2. Create display and record data
		3. Analyze and save data
		Sensors:
		Smart Carts
		pH sensor
		Temperature
		CO2 sensor
		Weather Sensor
10:00 AM – 11:00 AM	Physics Experiments:	Group 1 and 2
	1. Graphical Analysis Motion	
	2. Work and Kinetic Energy	
	3. Newton’s 3rd Law of Motion	
10:00 AM – 11:00 AM	Chemistry Experiments:	Group 3 and 4
	1. Varying Reactions	
	2. Boyle’s Law	
	3. pH of Household Chemicals	
11:00 AM – 12:00 NN	Physics Experiments:	Group 3 and 4
	4. Graphical Analysis Motion	
	5. Work and Kinetic Energy	
	Newton’s 3rd Law of Motion	Group 1 and 2
	Chemistry Experiments:	
	1. Varying Reactions	
	2. Boyle’s Law	



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	3. pH of Household Chemicals	
March 11, 2023 – Afternoon Session		
Time	Activities/Program	Details:
1:00 PM -2:00 PM	Biology Experiments:	Group 1 and 2
	1. Photosynthesis	
	2. Respiration of Germinating Seeds	
	3. Enzyme Activity	Group 3 and 4
	Environmental Science Experiments:	
	1. Monitoring Weather	
	2. Evacuation Map Plan	
3. Night and Day		
2:00 PM -3:00 PM	Biology Experiments:	Group 3 and 4
	1. Photosynthesis	
	2. Respiration of Germinating Seeds	
	3. Enzyme Activity	Group 1 and 2
	Environmental Science Experiments:	
	1. Monitoring Weather	
	2. Evacuation Map Plan	
3. Night and Day		
3:00-3:45 PM	Questions	
3:45- 4:00 PM	Closing Remarks	



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**Annex B. LIST OF PARTICIPANTS
TRAINING-WORKSHOP ON THE USE OF SCIENCE EQUIPMENT FOR HIGH SCHOOL
SCIENCE TEACHERS**

	Name	School
1	Edgar P. Soriano	Sto. Tomas National High School
2	Adreline Familiaran	Sto. Tomas National High School
3	Estela Charoping	Sto. Tomas National High School
4	Johnny P. Buasen	Sto. Tomas National High School
5	Mildred K. Pa-ac	Baguio City National Science High School
6	Hanamay G. Galaus	Baguio City National Science High School
7	Cecilia B. Catalig	Baguio City National Science High School
8	Melanie E. Abaggue	Baguio City National Science High School
9	Ruth Dale D. Pamintuan	Baguio City National Science High School
10	Kira Nae D. Baguilat	Baguio City National Science High School
11	Darwin Paas	Baguio City National High School
12	Raquelyn B. Arceo	Baguio City National High School
13	Jennifer Sibal	Baguio City National High School
14	Floro Wageyen	Baguio City National High School
15	Maricel Alcedo	Baguio City National High School
16	Grace Daus	Baguio City National High School
17	Esther L. Payap-a	Mil-an National High School
18	Lany Laluan	Mil-an National High School
19	Marina Apayo	Mil-an National High School
20	Juna S. Dawaton	Irisan National High School
21	Victorie P. Pulao	Irisan National High School
22	Alita C. Bautista	Irisan National High School



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23	Garry N. Farrong	San Vicente National High School
24	Laurence G. Milet	San Vicente National High School
25	Hariet Obie O. Kitkitoy	San Vicente National High School
26	Gemma D. Yan	Guisad Valley National High School
27	Dale Dicang	Guisad Valley National High School
28	Phylis B. Lang-akan	Guisad Valley National High School
29	Emilton B. Mendoza	Joaquin Smith National High School
30	Dindo Umandam	Joaquin Smith National High School
31	Daryl C. Magalgalit	Pines City National High School
32	Jeany C. Dupo	Pines City National High School
33	Kathlyn Chamollog	Pines City National High School
34	Rufima M. Buyocan	
35	Arthur N. Villanueva	



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