



Republic of the Philippines
Department of Education
Region III
SCHOOLS DIVISION OF BULACAN

March 19, 2024

DIVISION MEMORANDUM

No. 42, s. 2024

**CAPACITY BUILDING ON THE INTEGRATION OF ENVIRONMENTAL
EDUCATION IN SCIENCE CURRICULUM**

To: Division Chiefs
Public Schools District Supervisors
All Public Elementary School Heads
All Public Secondary School Heads
All Others Concerned

1. The Schools Division of Bulacan announces the conduct of the training-writeshop in *Capacity Building on the Integration of Environmental Education in Science Curriculum*. The three-day activity will be on May 2-3 & 10, 2024 at Villa Emmanuela Wavepool Resort, Poblacion, Plaridel, Bulacan.
2. In response to the BULAKENYO Flagship Program of **N**urturing teachers with competencies to improve efficiency and teaching performances making learners future-ready and equipped with 21st-century skills, the activity aims to:
 - a. promote awareness of environmental issues and concerns in the science classroom and relate it to science club projects and activities;
 - b. create lesson exemplars that integrate environmental education in regular science and special science subjects in the elementary and secondary levels;
 - c. prepare an action plan for the district/cluster/school cascading of the training-writeshop in the regular and special science curricula to reinforce and sustain environmental education in the science curriculum and relate it to science club activities.
3. The participants of this activity are the elementary and secondary Science Club advisers and STE Environmental Science teachers. This memorandum serves as the travel authority of participants.
4. Expenses to be incurred in the conduct of the training-writeshop shall be charged to the Division INSET fund while the transportation expenses of the participants shall be charged to school's Maintenance and Other Operating Expenses (MOOE) subject to the usual accounting and auditing rules and regulations.
5. Attached herewith are the training matrix and the list of participating schools for reference.
6. Wide and immediate dissemination of this memorandum is earnestly desired.


NORMA P. ESTEBAN, EdD, CESO V
Schools Division Superintendent

Encls.: As stated



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Enclosure No. 1 Training Matrix in Capacity Building on the Integration of Environmental Education in Science Curriculum

Table 1. TRAINING MATRIX OF THE DIVISION TRAINING-WRITESHOP

Date/Time	Activity	Speaker/Facilitator
Day 1 (Thursday, 2 May 2024)		
7:30 – 8:00 AM	Arrival/Registration/	TWG
8:00 – 8:30 AM	Opening Program	TWG
8:30 – 10:00 AM	Session 1 I. Aims and objectives of environmental education a. Awareness b. Knowledge c. Attitudes d. Skills e. Capacity Building f. Participation	Learning Facilitators and Speakers
10:00 – 10:30 AM	Health Break	
10:30 – 12:15 PM	Session 2 II. Current environmental issues and concerns in the Philippines a. Air Pollution b. Plastic Pollution c. Marine Pollution d. Sea Level Rise e. Deforestation f. Forest Degradation g. Illegal Fishing h. Illicit Wildlife Threat	Learning Facilitators and Speakers
12:15 – 1:00 PM	Lunch Break	
1:00 – 3:00 PM	Session 3 III. Integration of Environmental Education in Elementary and Secondary Science a. Curricular b. Co-curricular c. Community-Based Learning	Learning Facilitators and Speakers
3:00 – 3:30 PM	Health Break	
3:30 – 5:00 PM	Session 4: IV. Preparation of Teaching Resources in Environmental Education a. Lesson Exemplars b. Hands-on Activities for Community-Based Learning c. Assessment Tools	Learning Facilitators and Speakers
Day 2 (Friday, 3 May 2024)		
7:30 – 8:00 AM	Arrival/Registration/	TWG
8:00 – 8:30 AM	Management of Learning (MOL)	TWG/Participation
8:30 – 10:00 AM	Session 5 V. Continuation of Session 4	Learning Facilitators and Speakers



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	Preparation of Teaching Resources in Environmental Education	
10:00 – 10:30 AM	Health Break	
10:30 – 12:15 PM	Session 6 VI. Crafting of Action Plan in Science Club toward Education 4.0 a. Goals and Objectives b. Projects and Activities c. Community Partnerships	Learning Facilitators and Speakers
12:15 – 1:00 PM	Lunch Break	
1:00 – 3:00 PM	Session 7 VII. Crafting of Action Plan in Science Club toward Education 4.0 (con't.)	Participants
3:30 – 3:30 PM	Health Break	
3:30 – 5:00 PM	Session 8 VIII. Finalization of Outputs	Participants
Day 3 (Friday, 10 May 2024)		
7:30 – 8:00 AM	Arrival/Registration/	TWG
8:00 – 8:30 AM	Management of Learning (MOL)	TWG/Participants
8:30 – 10:00 AM	Presentation and Critiquing of Outputs	Participants
10:00 – 10:30 AM	Health Break	
10:30 – 12:15 PM	Presentation and Critiquing of Outputs	Learning Facilitators and Speakers/TWG/Participants
12:15 – 1:00 PM	Lunch Break	
1:00 – 2:30 PM	Wrap-up and Announcements	Learning Facilitators and Speakers/TWG
2:30 – 3:00 PM	Health Break	
3:00 – 5:00 PM	Closing Program and Awarding of Certificates	Learning Facilitators and Speakers/TWG/Participants



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Enclosure No. 2 List of Participating Schools in the Capacity Building on the Integration of Environmental Education in Science Curriculum & List of Training-Writershop Organizer/Resource Speakers/TWG

Table 2. NUMBER OF PARTICIPATING SCHOOLS PER EDDIS

Name of School	District	EDDIS	Curriculum
1. Gen. Gregorio del Pilar IS	Bulakan	I	SSES Program
2. F. Mendoza Memorial ES	Calumpit North		
3. Calumpit CS	Calumpit South		
4. Hagonoy East CS	Hagonoy East		
5. Hagonoy West CS	Hagonoy West		
6. Paombong CS	Paombong		
7. Pulilan CS	Pulilan		
8. Bonga Menor ES	Bustos		
9. Plaridel ES	Plaridel		
10. San Ildefonso ES	San Ildefonso North	III	
11. Pinaod CS	San Ildefonso South		
12. Tartaro ES	San Miguel Central		
13. San Miguel ES	San Miguel South		
14. San Miguel North CS	San Miguel North		
15. San Rafael CS	San Rafael East		
16. Maguinao ES	San Rafael West		
17. Prenza ES	Marilao North	IV	
18. Marilao Central IS	Marilao South		
19. Obando CS	Obando	V	
20. Balagtas CS	Balagtas		
21. Cong. Erasmo R. Cruz MCS	Bocause		
22. Guiguinto CS	Guiguinto	VI	
23. Bunsuran ES	Pandi South		
24. Matias A. Fernando MS	Angat		
25. Timoteo Policarpio MES	Norzagaray East		
26. Norzagaray ES	Norzagaray West		
27. Parada ES	Sta. Maria East		
28. Cornelia M. De Jesus MCS	Sta. Maria West		
29. Jose Juan Serapio ES	Sta. Maria Central		
Total Number of SSES Teachers			29
30. Tabang ES	Bulakan	I	Regular Elementary Science Curriculum
31. Meysulao ES	Calumpit North		
32. San Marcos ES	Calumpit South		
33. Iba-Ibayo ES	Hagonoy East		
34. San Pascual ES	Hagonoy West		
35. San Jose ES	Paombong		
36. Inaon Integrated School	Pulilan	II	
37. Liciada ES	Bustos		
38. Bintog ES	Plaridel	III	
39. Pulong Sampaloc ES	DRT		
40. Anyatam ES	San Ildefonso North		
41. Palapala ES	San Ildefonso South		
42. Salacot ES	San Miguel Central		
43. San Vicente ES	San Miguel South		
44. Buliran ES	San Miguel North		
45. Caingin ES	San Rafael East	IV	
46. San Roque ES	San Rafael West		
47. FSS Patulo ES	Marilao North		



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48. Lambakin Main ES	Marilao South		
49. Panghulo ES	Obando		
50. Francisco Balagtas MS	Balagtas		
51. Bocaue Hills ES	Bocaue		
52. Sta. Rita ES	Guiguinto	V	
53. Bagbaguin ES	Pandi South		
54. Mamerto C. Bernardo MCS	Pandi North		
55. Francisco F. Illescas ES	Angat		
56. San Mateo ES	Norzagaray East		
57. North Hills Village ES	Norzagaray West	VI	
58. Tumana ES	Sta. Maria East		
59. Cay Pombo ES	Sta. Maria West		
60. Sta. Cruz ES	Sta. Maria Central		
Total Number of Regular Elementary Science Teachers			30
60. Calumpit NHS	Calumpit South		
61. San Roque NHS	Paombong	I	
62. Bajet-Castillo HS	Pulilan		
63. Aguinaldo J. Santos NHS	Bustos		
64. Alexis G. Santos NHS	Bustos	II	
65. Dr. Felipe De Jesus NHS	Plaridel		
66. San Ildefonso NHS	San Ildefonso North		
67. San Miguel NHS	San Miguel South	III	
68. Carlos F. Gonzales HS	San Rafael West		
69. AFG Bernardino MTS	Marilao South		
70. Prenza NHS	Marilao North	IV	
71. Obando NHS	Obando		
72. Balagtas NAS	Balagtas	V	
73. Bunsuran NHS	Pandi South		
74. Pres. Diosdado Macapagal MHS	Angat		
75. Norzagaray NHS	Norzagaray West		
76. F.F. Halili NAS	Sta. Maria Central	VI	
77. Parada NHS	Sta. Maria East		
78. Pulong Buhangin NHS	Sta. Maria West		
Total Number of STE Teachers			19
79. San Francisco Xavier HS	Bulakan		
80. Frances NHS	Calumpit North		
81. San Pedro NHS	Hagonoy East	I	
82. Pinalagdan HS	Paombong		
83. Sta. Peregrina HS	Pulilan		
84. Cambaog NHS	Bustos		
85. Banga HS	Plaridel	II	
86. Laura De Leon Halili HS	DRT		
87. Calawitan NHS	San Ildefonso		
88. San Rafael National Trade School	San Rafael East	III	
89. Lydia D. Villangca Trade School	San Rafael West		
90. Partida NHS	San Miguel North		
91. Vedasto R. Santiago HS	San Miguel Central		
92. Taal HS	Bocaue		
93. Felizardo C. Lipana NHS	Guiguinto		
94. Guiguinto National VHS	Guiguinto	V	
95. Virginia Ramirez-Cruz NHS	Pandi North		
96. Masagana HS	Pandi South		
97. Binagbag NHS	Angat	VI	



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98. Minuyan NHS	Norzagaray East		
99. Matictic IS	Norzagaray West		
100. North Hills Village HS	Norzagaray West		
101. Sta. Maria NHS	Sta. Maria East		
102. Catmon NHS	Sta. Maria Central		
Total Number of Regular Secondary Science Teachers			24

Table 3. LIST OF TRAINING-WRITESHOP ORGANIZER/RESOURCE SPEAKERS/TWG

Name of Teacher	Role/Task	School	District
103. Lani L. Buencamino, MT-I	Resource Speaker 1	San Miguel NHS	San Miguel South
104. Renante B. Perez, HT-III	Resource Speaker 2	Ramona S. Trillana HS	Hagonoy West
105. Mark Kevin L. Olimba, <i>Y-III</i>	Resource Speaker 3	Sta. Lucia NHS	Calumpit North
106. Joan T. Buluran, HT-III	TWG for EDDIS I	Dr. Pablito V. Mendoza, Sr. HS	Bustos
107. Beverly V. Basilio, HT-III	TWG for EDDIS III	Lolomboy NHS	Bocau
108. Meriam H. Roldan, HT-III	TWG for EDDIS IV & VI	FVR NHS	Norzagaray West
109. Maricel M. Sosa, HT-III	TWG for EDDIS II & V	Maronquillo NHS	San Rafael East
Total Number of Training-Writeshop Team			7