



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

April 28, 2026

DIVISION MEMORANDUM

No. 187, s. 2026

**PROJECT EDUCATIONAL ROBOTICS IN SCIENCE LEARNING (PRO-EDUBOTS@E4.0): INTEGRATING ROBOTICS IN SCIENCE EDUCATION THROUGH CODING AND PROGRAMMING (PHASE 2)**

To: Assistant Schools Division Superintendents  
Division Chiefs  
All Public Elementary School Heads  
All Public Secondary School Heads  
All Others Concerned

1. The Schools Division of Bulacan announces the conduct of the division training entitled Project Educational Robotics in Science Learning (Pro-EduBots@E4.0): Integrating Robotics in Science Education Through Coding and Programming (Phase 2) with the theme – “*Deepening Robotics Integration for Innovative and Inquiry-Driven Science Learning*”. This activity is scheduled on **May 6-8, 2026** at **Parada National High School, Sta. Maria, Bulacan**.
2. DepEd recognizes robotics as a tool for developing 21st-century skills and promoting Special Curricular Program in education across key stages. Robotics is seen to make learning more engaging, enhance critical thinking, and prepare students for future careers. In alignment, this in-service training aims to:
  - a. upskill participants with foundational and advanced knowledge in microcontroller programming (e.g., Arduino Uno) robotics programming;
  - b. develop proficiency among participants in using robotics kits and coding platforms for classroom instruction;
  - c. equip participants in designing and implementing robotics-based activities aligned with science topics across SSES (Grades 4–6) and STE (Grades 7–10);
  - d. enable participants to create interdisciplinary learning activities by connecting robotics with scientific concepts such as energy, motion, environment, and systems;
  - e. enhance their competency in crafting lesson plans, activity sheets, and session guides that integrate robotics into science education; and,
  - f. design and develop robotics-based science experiments, PBLs, and capstone projects.
3. Participants are required pre-register thru **bit.ly/2026-Robotics** on **May 5, 2026**. They must also bring their received *Mars Rover Educational Robot Kit, AAL-Bot Mini STEAM Education Robot, Arduino Uno R3 (Basic and Advance) development kits, and Lego Spike Prime set* as well as laptop and pocket wi-fi. This also applies to schools with procured robotics kits and/or received thru donation and partnerships.





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

4. Meal expenses of participants shall be charged against the Division INSET Fund, while transportation and other incidental expenses incurred by the participants in attendance of the said training shall be charged to local or school/MOOE funds, subject to the usual accounting and auditing procedures.
5. Teacher-participants will be given vacation Service Credits in accordance with DepEd Order No. 013, s. 2024, "Revised Guidelines on the Grant of Service Credits for Teachers".
6. Attached herewith are the list of participants and their respective schools.
7. Wide and immediate dissemination of this Memorandum is earnestly desired.

  
**CECILIA E. VALDERAMA, PhD, CESO VI**  
Schools Division Superintendent

Encls.: As stated





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

**Enclosure No. 1 of DM No. 187, s. 2026**

**A. TRAINING MATRIX**

Date/Time	Activity	Person-in-Charge
<b>Day 1 (May 6, 2026)</b>		
7:30 – 8:00 AM	Arrival/Registration/	TWG
8:00 – 8:30 AM	Opening Program	Proponent/TWG
8:30 – 10:00 AM	Session 1: Review of Robotics Concepts a. Basic robotics principles b. IPO model c. Simple machines	Learning Facilitators and Speakers
10:00 – 10:30 AM	Health Break	
10:30 – 12:15 NN	Session 2: Building of Simple Robots a. Using Arduino Uno starter kits b. Using Arduino Uno CTC 101 kits	Learning Facilitators and Speakers
12:15 – 1:00 PM	Lunch Break	
1:00 – 2:45 PM	Session 3: Integration of Robotics in Science Education a. Linking robotics to energy, force, and motion topics	Learning Facilitators and Speakers
2:45 – 3:15 PM	Health Break	
3:15 – 5:00 PM	Session 4: Intermediate Robotics a. Sensors b. Microcontrollers c. Basic Coding	Learning Facilitators and Speakers
<b>Day 2 (May 7, 2026)</b>		
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: Hands-on Programming a. Programming robots for science investigation	RP/ TWG
10:00 – 10:15 AM	Health Break	
10:15 – 12:15 PM	Session 5 (con't.): b. Robotics in Environmental Science and Physics	RP/ TWG
12:15 – 1:00 PM	Lunch Break	
1:00 – 3:00 PM	Session 6: Robotics and Intelligent Machines (RIM) a. Designing robotics-based Science experiments	RP/ TWG
3:00 – 3:15 PM	Health Break	
3:15 – 5:00	Session 6 (con't.)	RP/ TWG
<b>Day 3 (May 8, 2026)</b>		
7:30 – 8:00 AM	Arrival/Registration/	TWG
8:00 – 8:30 AM	Management of Learning (MOL)	TWG/Participants
8:30 – 10:00 AM	Session 7: Presentation of Robotics projects with critiquing and feedback	RP/ TWG
10:00 – 10:15 AM	Health Break	
10:15 – 12:15 PM	Session 7 (con't.): Presentation of Robotics projects with critiquing and feedback	RP/ TWG





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

12:15 – 1:00 PM	Lunch Break	
1:00 – 3:30 PM	Session 8: Finalization of Action Plans/Wrap-up and Final Announcements	RPs/TWG
3:30 – 3:45 PM	Health Break	
3:45 – 5:00 PM	Ways Forward for project sustainability/continuity Closing Program and Awarding of Certificates	Proponent/RPs/TWG

**B. RESOURCE SPEAKERS/FACILITATORS AND WORK COMMITTEE**

<b>Proponent/Chairperson</b>	Marinella T. Pengson, PhD DEPS - Science
<b>Resource Speakers</b>	
<b>A</b>	Phoebe Grace D. Biol Teacher III, Prenza National HS
<b>B</b>	Espy S. Balbuena Master Teacher I, AFG Bernardino MTS
<b>C</b>	Conrad A. Populi Teacher III, Bunsuran NHS
<b>D</b>	Maricel M. Sosa Head Teacher III, Maronquillo National HS
<b>E</b>	Mervin G. Lucas Head Teacher III, Sta. Maria NHS
<b>F</b>	Grace C. Lahom Teacher III, Parada NHS
<b>G</b>	Guest RP (Dr. Yanga's Colleges, Inc.)
<b>Technical Working Group</b>	
<b>A</b>	Jayson B. Eugelio Master Teacher I, San Miguel National HS
<b>B</b>	Roy Ivan M. Reyes Teacher III, Virginia Ramirez-Cruz NHS
<b>C</b>	Ian L. Bustamante Teacher III, Parada National High School
<b>D</b>	John Nilcon Abolencia Teacher III, Parada NHS
<b>E</b>	2 SDO Nurses





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

**Enclosure No. 2 of DM No. 188, s. 2026 List of Participants**

**A. Regular Elementary (20)**

Name of School	District	Curricular Group
1. Teodoso Manuel ES	Angat	Regular Elementary
2. Balite ES	Calumpit South	Regular Elementary
3. Alejandro E. Flores, Sr. ES	DRT	Regular Elementary
4. Abangan Sur ES	Marilao North	Regular Elementary
5. Heritage Homes IS	Marilao North	Regular Elementary
6. Abangan Norte ES	Marilao South	Regular Elementary
7. Lambakin Main ES	Marilao South	Regular Elementary
8. Bigte ES	Norzagaray East	Regular Elementary
9. North Hills Village ES	Norzagaray West	Regular Elementary
10. Catanghalan ES	Obando	Regular Elementary
11. Pandi Heights ES	Pandi North	Regular Elementary
12. Kapitangan ES	Paombong	Regular Elementary
13. Tabang ES	Plaridel	Regular Elementary
14. M. Del Rosario MS	Pulilan	Regular Elementary
15. Bubulong Malaki ES	San Ildefonso North	Regular Elementary
16. Sta. Catalina Bata ES	San Ildefonso North	Regular Elementary
17. Upig ES	San Ildefonso South	Regular Elementary
18. Salacot ES	San Miguel Central	Regular Elementary
19. San Jose ES	San Miguel Central	Regular Elementary
20. Buliran ES	San Miguel North	Regular Elementary

**B. Special Science Elementary Schools (61)**

Name of School	District	Curricular Group
1. Matias A. Fernando MS	Angat	SSES
2. Francisco F. Illescas ES	Angat	SSES
3. Balagtas Central School	Balagtas	SSES
4. Cong. Erasmo R. Cruz MCS	Bocaue	SSES
6. Lolomboy ES	Bocaue	SSES
7. Northville V ES	Bocaue	SSES
8. St. Martha ES	Bocaue	SSES
9. Bambang ES	Bulakan	SSES
10. Gen. Gregorio Del Pilar IS	Bulakan	SSES
11. Bonga Menor ES	Bustos	SSES
12. Bustos ES	Bustos	SSES
13. Liciada ES	Bustos	SSES
14. F. Mendoza Memorial ES	Calumpit North	SSES
15. Calumpit Central School	Calumpit South	SSES
16. San Marcos ES	Calumpit South	SSES
17. Guiguinto Central School	Guiguinto	SSES
18. Malis ES	Guiguinto	SSES





Republic of the Philippines  
Department of Education  
Region III

**SCHOOLS DIVISION OF BULACAN**

19. Sta. Rita Elementary School	Guiguinto	SSES
20. Hagonoy East Central School	Hagonoy East	SSES
21. Hangga Elementary School	Hagonoy East	SSES
22. Hagonoy West Central School	Hagonoy West	SSES
23. Prenza ES	Marilao North	SSES
24. Marilao Central Integrated School	Marilao South	SSES
25. Timoteo Policarpio Memorial ES	Norzagaray East	SSES
26. Norzagaray ES	Norzagaray West	SSES
27. Obando Central School	Obando	SSES
28. Paco Elementary School	Obando	SSES
29. San Pascual Elementary School	Obando	SSES
30. M.C. Bernardo Memorial Central School	Pandi North	SSES
31. Bunsuran ES	Pandi South	SSES
32. Paombong Central School	Paombong	SSES
33. Banga ES	Plaridel	SSES
34. Plaridel ES	Plaridel	SSES
35. Balatong ES	Pulilan	SSES
36. Inaon Integrated School	Pulilan	SSES
37. Pulilan Central School	Pulilan	SSES
38. Segundo Esguerra Sr. MES	Pulilan	SSES
39. Sto. Cristo ES	Pulilan	SSES
40. Anyatam ES	San Ildefonso North	SSES
41. San Ildefonso ES	San Ildefonso North	SSES
42. Malipampang ES	San Ildefonso South	SSES
43. Pinaod Central School	San Ildefonso South	SSES
44. Tartaro ES	San Miguel Central	SSES
45. San Miguel North Central School	San Miguel North	SSES
46. San Miguel ES	San Miguel South	SSES
47. Don Felix De Leon MS	San Miguel South	SSES
48. Caingin ES	San Rafael East	SSES
49. San Rafael CS	San Rafael East	SSES
50. Maguinao ES	San Rafael West	SSES
51. San Roque ES	San Rafael West	SSES
52. Guyong ES	Sta. Maria Central	SSES
53. Jose Juan Serapio ES	Sta. Maria Central	SSES
54. Miguel M. Cruz Memorial School	Sta. Maria Central	SSES
55. Sta. Clara ES	Sta. Maria Central	SSES
56. Sta. Cruz ES	Sta. Maria Central	SSES
57. Sta. Maria Central School	Sta. Maria Central	SSES
58. Parada ES	Sta. Maria East	SSES
59. San Vicente ES	Sta. Maria East	SSES
60. Cay Pombo ES	Sta. Maria West	SSES
61. Cornelia M. De Jesus MCS	Sta. Maria West	SSES





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

**C. Regular Junior High School (32)**

Name of School	District	Curricular Group
1. Angat NHS	Angat	JHS
2. Binagbag NHS	Angat	JHS
3. Gat. Francisco Balagtas HS	Balagtas	JHS
4. Batia High School	Bocaue	JHS
5. Taal High School	Bocaue	JHS
6. Romeo Acuña Santos MHS	Bulakan	JHS
7. San Francisco Xavier HS	Bulakan	JHS
8. Cambaog NHS	Bustos	JHS
9. Dr. Pablito V. Mendoza, Sr. HS	Bustos	JHS
10. Frances NHS	Calumpit North	JHS
11. Sta. Lucia National High School	Calumpit North	JHS
12. Caniogan HS	Calumpit South	JHS
13. Sapang Bulac HS	DRT	JHS
14. FC Lipana NHS	Guiguinto	JHS
15. Guiguinto NVHS	Guiguinto	JHS
16. Iba National HS	Hagonoy East	JHS
17. San Pedro NHS	Hagonoy East	JHS
18. Ramona S. Trillana HS	Hagonoy West	JHS
19. Julian V. Sumbillo HS	Norzagaray East	JHS
20. Minuyan NHS	Norzagaray East	JHS
21. FVR NHS	Norzagaray West	JHS
22. Sta. Cruz NHS	Paombong	JHS
23. Banga HS	Plaridel	JHS
24. Dampol 2nd National High School	Plaridel	JHS
25. Sta. Peregrina HS	Pulilan	JHS
26. Akle HS	San Ildefonso South	JHS
27. JJ Russel Mem. HS	San Miguel Central	JHS
28. Vedasto R. Santiago HS	San Miguel North	JHS
29. Lydia D. Villangca TS	San Rafael West	JHS
30. Catmon HS	Sta. Maria Central	JHS
31. Sta. Cruz NHS	Sta. Maria Central	JHS
32. Cay Pombo NHS	Sta. Maria East	JHS

**D. Science Technology Engineering (25)**

Name of School	District	Curricular Group
1. Pres. Diosdado Macapagal MHS	Angat	STE
2. Balagtas National Agricultural HS	Balagtas	STE
3. Aguinaldo Santos NHS	Bustos	STE
4. Alexis G. Santos NHS	Bustos	STE
5. Calumpit National High School	Calumpit South	STE
6. Laura F. De Leon NHS	DRT	STE
7. Prenza National High School	Marilao North	STE





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

8. AFG Bernardino MTS	Marilao South	STE
9. Norzagaray National High School	Norzagaray West	STE
10. Obando National High School	Obando	STE
11. Virginia Ramirez-Cruz NHS	Pandi North	STE
12. Bunsuran National High School	Pandi South	STE
13. San Roque National High School	Paombong	STE
14. Dr. Felipe National High School	Plaridel	STE
15. Bajet Castillo High School	Pulilan	STE
16. Academia de Pulilan*	Pulilan	STE
17. San Ildefonso NHS	San Ildefonso North	STE
18. San Miguel NHS	San Miguel South	STE
19. Maronquillo NHS	San Rafael East	STE
20. Carlos F. Gonzales High School	San Rafael West	STE
21. Parada National High School	Sta. Maria East	STE
22. Sta. Maria NHS	Sta. Maria East	STE
23. Fortunato F. Halili NAS	Sta. Maria West	STE
24. Pulong Buhangin NHS	Sta. Maria West	STE
25. Mater Dei Academy*	Sta. Maria West	STE

