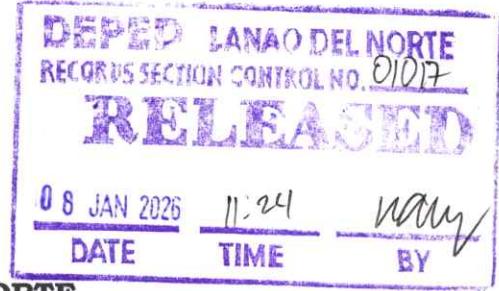




Republic of the Philippines
Department of Education
REGION X
SCHOOLS DIVISION OF LANAO DEL NORTE



January 5, 2025

Division Memorandum
No. 018, s. 2025

WORKSHOP-TRAINING ON BASIC ROBOTICS

To: Assistant Schools Division Superintendent
Education Program Supervisors
Public Schools District Supervisors/ District In-Charge
Secondary School Heads
Secondary Special Science Teachers
All Others Concerned
This Division

1. In line with the Deped K to 12 Revised Curriculum and its goal to foster 21st-century skills, innovation, and STEM (Science, Technology, Engineering, and Mathematics) education, the Curriculum Implementation Division (CID) will conduct Workshop-training on Basic Robotics and coding on January 22-23, 2026 at Guian's Function Hall, Baroy Lanao del Norte.
2. This two-day training aims to:
 - a. Equip Science teachers with fundamental knowledge and hands-on skills in robotics and block-based coding.
 - b. Integrate robotics and coding concepts into the Science curriculum to enhance learner engagement and understanding of scientific principles.
 - c. Promote critical thinking, problem-solving, and creativity among learners through project-based learning.
 - d. Prepare teachers and learners for potential participation in regional and national science and technology competitions.
3. Attached are the training matrix, Technical Working Group and the list of participants.
4. Participants are expected to bring their Robotics kit from Rotary Club and other Arduino kits.



Republic of the Philippines
Department of Education
REGION X
SCHOOLS DIVISION OF LANAO DEL NORTE

5. Travel expenses and other incidental expenses of the participants shall be charged to the school MOOE funds, subject to the usual accounting and auditing rules and regulations.

6. This office directs the immediate and wide dissemination of this Memorandum.

EDWIN R. MARIBOJOC EdD, CESO V
Schools Division Superintendent

To be indicated in the Perpetual Index under
The following subjects:

SCIENCE ROBOTICS STEM

RE: Additional RSTF Category on Mobile Robotics

CID/wena



Republic of the Philippines
Department of Education
REGION X
SCHOOLS DIVISION OF LANAO DEL NORTE

Enclosure No. 1 – LIST OF PARTICIPANTS

No.	PARTICIPANT	SCHOOL
1	Gilbert O. Caboverde	Lala NHS
2	Dorel Jade D. Bantillo	Lala NHS
3	Harold C. Delostrico	Lala NHS
4	Jemuel Rabago	LNNCHS
5	Chriza Faith M. Aguipo	LNNCHS
6	Rosmarie Silva	LNNCHS
7	Nadjera M. Imam	Pantar NHS
8	Asraida M. Malik	Pantar NHS
9	Hannan R. Mackno	Baloi NHS
10	April Grace S. Manseguiao	Baloi NHS
11	Norhamida D. Minor	Baloi NHS
12	Dindo A. Daing	KAPATAGAN NHS
13	Anjo F. Dozano	KAPATAGAN NHS
14	Sheldon Quinain	Maigo NHS
15	Rovel Cabasag	Maigo NHS
16	Saul Begontes	Salvador NHS
17	Mary Cris P. Tapales	Salvador NHS
18	Ruel D. Sarmiento	LNPSTHS
19	Loid JayB. Kadile	LNPSTHS
20	Sheryl P. Erigbuagas	LNPSTHS
21	Edalyn Olis	SPEAKER
22	Ivan Belnas	SPEAKER
23	Marichu Miscala	SPEAKER
24	Maricel Caboverde	SPEAKER

TECHNICAL WORKING GROUP

1	CLIFTON C. DUVAVIS	MTMNHS	TWG
2	AILLENE MAE B. DADULA	MTMNHS	TWG
3	IVY LYNETTE SAYSON	LNPSTHS	TWG
4	HANIFA CALANDADA	BALO-I NHS	TWG
5.	MYLINDA ALISON	KAPATAGAN NHS	TWG
6.	SIANN DUQUE	Linamon NHS	TWG



Republic of the Philippines
Department of Education
 REGION X
SCHOOLS DIVISION OF LANAO DEL NORTE

Enclosure No. 2 – TRAINING MATRIX

DAY 1

Time/Duration	Title of the Session	Involved
8:00 AM– 9:00AM	Opening Program National Anthem Opening Prayer NQMS Opening Message- Chief Eva S. Edon Statement of the Purpose: Rowena E. Lontayao Introduction of Participants and Resource Speakers-TWG	Technical Working Group
9:30AM– 10:30AM	Introduction to Robotics, fundamentals, safety Procedures and Basic Robotics	Marichu T. Miscala
10:30AM – 11:30AM	Basic Construction Basic Programming 1	Ivan Belnas
11:30AM – 12:30PM	Basic Programming 2	Ivan Belnas
12:30PM – 1:30PM	LED Controlled by a Potentiometer RGB LED Controlled by a Button	Maricel Caboverde
1:30PM - 4:30PM	Advance Programming Part 1	Marichu T. Miscala

DAY 2

Time/Duration	Title of the Session	Person In - Charge
8:00 AM– 9:30AM	Mini Emergency LED using Joystick	Edalyn Olis
9:30 AM-10:30AM	Create robotics using Arduino Kit and encode the Arduino code	
10:30AM – 11:30AM	Construction and Programming Arduino	
11:30 AM – 1:30 PM		
1:30PM – 3:30PM	Perform robot using Arduino Kit	Edgar Mark C. Secuya
3:30PM -4:30PM	Closing Ceremony	TWG