



Republic of the Philippines
Department of Education
REGION III
SCHOOLS DIVISION OF PAMPANGA

August 11, 2025

DIVISION MEMORANDUM

No. 467, s. 2025

GEARING UP FOR TOMORROW: ROBOTICS KITS TRAINING FOR SECONDARY SCHOOL SCIENCE TEACHERS

To: Assistant Schools Division Superintendents

Chief Education Supervisors

Education Program Supervisors

Public Schools District Supervisors

Public Secondary Special Science Class School Heads

Science, Technology, and Engineering (STE) Coordinators

Robotics Program Coordinators

All Others Concerned

1. Aligned with DepEd Order No. 32, s. 2011 on professional development and DepEd Order No. 21, s. 2019, which strengthen STEM education under the K to 12 curriculum, this Office, through the Curriculum Implementation Division (CID), announces the conduct of the **Robotics Kits Training for Secondary School Science Teachers** on August 26-27, 2025, from 8:00 AM to 5:00 PM, at **Pulung Santol National High School**.
2. The training aims to:
 - a. equip teachers with foundational knowledge and hands-on experience in assembling and programming robotics kits to build confidence in using robotics tools in the classroom;
 - b. enable teachers to design and implement lesson plans that incorporate robotics activities aligned with learning competencies in STEM subjects; and
 - c. train teachers to facilitate robotics-based projects that encourage creativity, collaboration, and problem-solving among students through experiential learning.
3. The participants in this activity are the 4 School Heads, School Robotics Coordinators, and select JHS and SHS Teachers of each recipient school for a total of 32 Science teachers.
4. School heads are advised to assign relieving teachers to maximize time-on-task stipulated in DepEd Order No. 9, s. 2005 entitled *Instituting Measures to Increase Engaged Time-on-Task and Ensuring Compliance Therewith*.
5. The snacks and lunch will be charged to the DOST Support Funds and Division MOOE, while the travel and other incidental expenses of the participants shall be charged to the School Local Funds, subject to the usual accounting and auditing rules and regulations.



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6. Enclosed are the documents for your information and guidance:


Enclosure No. 1- List of Participants & TWG

Enclosure No. 2- Training Matrix

7. This division memorandum shall serve as the travel authority of all concerned teachers.

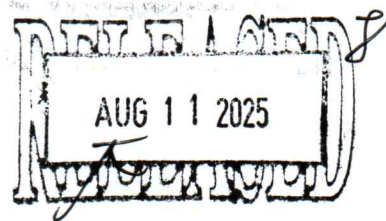
8. For queries and concerns, please contact the Education Program Supervisor in-charge at ana.castaneda003@deped.gov.ph or through mobile number 0968-461-5164.

9. Immediate and wide dissemination of this Memorandum to all concerned is earnestly desired.



ROMEO M. ALIP PhD, CESO V
Schools Division Superintendent
or

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Enclosure No. 1 to Division Memorandum No. ____, s. 2025

**GEARING UP FOR TOMORROW: ROBOTICS KITS TRAINING FOR SECONDARY
SCHOOL SCIENCE TEACHERS**

PARTICIPANTS

SCHOOL HEADS

NAME	DESIGNATION	SCHOOL
1. JAY M. LAMPA	PRINCIPAL IV	GUTAD NATIONAL HIGH SCHOOL
2. JAYSON M. FLORES	PRINCIPAL IV	JUSTINO SEVILLA HIGH SCHOOL
3. GIL V. TIONGCO	PRINCIPAL IV	PORAC MODEL COMMUNITY HIGH SCHOOL
4. ELOISA LUSUNG	PRINCIPAL II	PULUNG SANTOL NATIONAL HIGH SCHOOL

SCHOOL ROBOTICS COORDINATOR

NAME	DESIGNATION	SCHOOL
1. BARRY D. GUINTO	TEACHER II (ELECTRONICS TEACHER)	GUTAD NATIONAL HIGH SCHOOL
2. MACK JEREMY ROQUE	ELECTRONIC TEACHER/ROBOTICS COORDINATOR	PULUNG SANTOL NATIONAL HIGH SCHOOL
3. ALDRIN E. SANTOS	ELECTRONICS TEACHER	JUSTINO SEVILLA HIGH SCHOOL
4. ROBERT M. SACULLES	TEACHER I	PORAC MODEL COMMUNITY HIGH SCHOOL



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SCHOOLS DIVISION OF PAMPANGA

**August 26, 2025- SPIKE Prime Group Robotics Foundations & Arduino Circuit
Group Basic Electronics & Coding**

Day 1- Group 1: SPIKE Prime Group Robotics Foundations		
Name	Position	School
1. Barry D. Guinto	Teacher II	Gutad National High School
2. Mitchie A. Dimalanta	Teacher II	Gutad National High School
3. Catherine C. Lising	Teacher III	Porac Model Community High School
4. Charles M. Bantan	Teacher III	Porac Model Community High School
5. Ines C. Ayson	Teacher III	Pulung Santol National High School
6. Bryan L. Delos Santos	Teacher III	Pulung Santol National High School
7. Jovelyn R. Maniago	Teacher III	Justino Sevilla High School
8. Lanie B Pangilinan	Teacher II	Justino Sevilla High School

Day 1- Group 1: SPIKE Prime Group Motor Control & Sensor Logic		
Name	Position	School
1. Jerome G. Gonzales	Teacher I	Gutad National High School
2. Jermie A. Palazo	Teacher II	Gutad National High School
3. Alvin Jay S. Torio	Teacher III	Porac Model Community High School
4. Mahleen M. David	Master Teacher I	Porac Model Community High School
5. Mack Jeremy Roque	Teacher II	Pulung Santol National High School
6. Zeneth C. Cortez	Master Teacher II	Pulung Santol National High School
7. Eleazar Wilson B. Isidro	Teacher II	Justino Sevilla High School
8. Melanie G Lumboy	Master Teacher I	Justino Sevilla High School



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Day 1- Group 2: Arduino Circuit Group
Basic Electronics & Coding

Name	Position	School
1.Lorwina D. Turla	Teacher III	Gutad National High School
2. Kervin C. Sundiam	Teacher I	Gutad National High School
3. Chrisper C. Escoto	Teacher III	Porac Model Community High School
4.Jimmy C. Dela Cruz	Teacher I	Porac Model Community High School
5. Cristine M. Calma	Teacher III	Pulung Santol National High School
6. Marco O. Perez	Teacher I	Pulung Santol National High School
4. Jerome C. Dizon	Master Teacher II	Justino Sevilla High School
8. Dave T Talledo	Teacher II	Justino Sevilla High School

Day 1- Group 2: Arduino Circuit Group
Digital Inputs & Control

Name	Position	School
1.Jean Gladys Y. Vitug	Teacher III	Gutad National High School
2. Ma. Corazon Naguiat	Teacher II	Gutad National High School
3. Robert M. Saculles	Teacher III	Porac Model Community High School
4. Maricar Y. Dimalanta	Teacher I	Porac Model Community High School
5.Trisha Ann Ariola	Teacher I	Pulung Santol National High School
6. Karen M. Antonio	Teacher III	Pulung Santol National High School
4. Aldrin E. Santos	Teacher III	Justino Sevilla High School
8. Rosve Gene T Ramos	Teacher III	Justino Sevilla High School



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AUGUST 27 — IoT (ESP32) & 3D Printing (P3) Groups

Day 2- Group 1: IoT ESP32 Group IoT Systems & Connectivity		
Name	Position	School
1. Barry D. Guinto	Teacher II	Gutad National High School
2. Mitchie A. Dimalanta	Teacher II	Gutad National High School
3. Catherine C. Lising	Teacher III	Porac Model Community High School
4. Charles M. Bantan	Teacher III	Porac Model Community High School
5. Ines C. Ayson	Teacher III	Pulung Santol National High School
6. Bryan L. Delos Santos	Teacher III	Pulung Santol National High School
7. Jovelyn R. Maniago	Teacher III	Justino Sevilla High School
8. Lanie B Pangilinan	Teacher II	Justino Sevilla High School

Day 2- Group 1: IoT ESP32 Group Sensor Data & Real-Time Output		
Name	Position	School
1. Jerome G. Gonzales	Teacher I	Gutad National High School
2. Jermie A. Palazo	Teacher II	Gutad National High School
3. Alvin Jay S. Torio	Teacher III	Porac Model Community High School
4. Mahleen M. David	Master Teacher I	Porac Model Community High School
5. Mack Jeremy Roque	Teacher II	Pulung Santol National High School
6. Zeneth C. Cortez	Master Teacher II	Pulung Santol National High School
7. Eleazar Wilson B. Isidro	Teacher II	Justino Sevilla High School
8. Melanie G Lumboy	Master Teacher I	Justino Sevilla High School



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Day 2- Group 2: 3D Printing (P3) Group CAD Basics & Slicing		
Name	Position	School
1. Lorwina D. Turla	Teacher III	Gutad National High School
2. Kervin C. Sundiam	Teacher I	Gutad National High School
3. Chrisper C. Escoto	Teacher III	Porac Model Community High School
4. Jimmy C. Dela Cruz	Teacher I	Porac Model Community High School
5. Cristine M. Calma	Teacher III	Pulung Santol National High School
6. Marco O. Perez	Teacher I	Pulung Santol National High School
4. Jerome C. Dizon	Master Teacher II	Justino Sevilla High School
8. Dave T Talledo	Teacher II	Justino Sevilla High School

Day 2- Group 2: 3D Printing (P3) Group Print Execution & Optimization		
Name	Position	School
1. Jean Gladys Y. Vitug	Teacher III	Gutad National High School
2. Ma. Corazon Naguiat	Teacher II	Gutad National High School
3. Robert M. Saculles	Teacher III	Porac Model Community High School
4. Maricar Y. Dimalanta	Teacher I	Porac Model Community High School
5. Trisha Ann Ariola	Teacher I	Pulung Santol National High School
6. Karen M. Antonio	Teacher III	Pulung Santol National High School
4. Aldrin E. Santos	Teacher III	Justino Sevilla High School
8. Rosve Gene T Ramos	Teacher III	Justino Sevilla High School

TECHNICAL WORKING GROUP	
Name	School
1. INES C. AYSON	PULUNG SANTOL NATIONAL HIGH SCHOOL
2. ZENETH C. CORTEZ	PULUNG SANTOL NATIONAL HIGH SCHOOL
3. MACK JEREMY ROQUE	PULUNG SANTOL NATIONAL HIGH SCHOOL



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Enclosure No. 2 to Division Memorandum No. _____, s. 2025

ROBOTICS KITS GRAND LAUNCHING CEREMONY

Time	DAY 1- August 26, 2025 SPIKE Prime & Arduino Uno Program Flow	
7:00 AM-7:30 AM	Arrival	
7:30 AM-8:00 AM	Registration	TWG
8:00 AM-8:30 AM	Preliminaries	TWG
	SPIKE Prime	Arduino Uno
8:30 AM – 12:00 PM	Topic 1: Robotics Foundations	Topic 1: Basic Electronics & Coding
12:00 PM – 1:00 PM	Lunch Break	Lunch Break
1:00 PM – 2:00 PM	Topic 2: Motor Control & Sensor Logic	Topic 2: Digital Inputs & Control
2:00 PM – 4:30 PM	Hands-On Activity / Presentation	Hands-On Activity / Presentation
4:30 PM- 5:00 PM	Ways Forward	Ways Forward

Time	DAY 2- August 27, 2025 IoT (ESP32) & 3D Printing (P3) Program Flow	
7:00 AM-7:30 AM	Arrival	
7:30 AM-8:00 AM	Registration	TWG
8:00 AM-8:30 AM	Preliminaries	TWG
	IoT (ESP32)	3D Printing (P3)
8:30 AM – 12:00 PM	Topic 1: IoT Systems & Connectivity	Topic 1: CAD Basics & Slicing
12:00 PM – 1:00 PM	Lunch Break	Lunch Break
1:00 PM – 2:00 PM	Topic 2: Sensor Data & Real-Time Output	Topic 2: Print Execution & Optimization
2:00 PM – 4:30 PM	Hands-On Activity / Presentation	Hands-On Activity / Presentation
4:30 PM- 5:00 PM	Closing Program Ways Forward	Closing Program Ways Forward



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