DEPARTMENT OF EDUCATION
RECORDS SECTION, REGIONAL OFFICE NO. 1
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DATE: NOV 04 2026

REGIONAL MEMORANDUM
No. 1469 s. 2026

ORIENTATION-WORKSHOP ON THE INTEGRATION OF BIOTECHNOLOGY AND ROBOTICS IN THE SPECIAL PROGRAM FOR SCIENCE, TECHNOLOGY, AND ENGINEERING (STE)

To: Schools Division Superintendents

1. To further strengthen the implementation of specialized curricula and equip educators with emerging technological trends, the Department of Education Region I, through the Curriculum and Learning Management Division (CLMD), shall conduct a Regional Orientation-Workshop on the Integration of Biotechnology and Robotics in the Special Program for Science, Technology, and Engineering (STE) on November 24-25, 2026 at the National Educators Academy of the Philippines-R1 (NEAP-R1), San Fernando City, La Union.

2. This activity aims to orient STE key implementers on the integration of biotechnology and robotics concepts into the specialized science and technology curriculum, enabling schools to prepare learners for advanced STEM fields. Specifically, the activity aims to:

a. Familiarize participants with the rationale, core concepts, and instructional approaches of integrating biotechnology and robotics into existing STE courses;
b. Review the foundational bases supporting the inclusion of modern biotech and robotics topics within the STE framework; and
c. Provide initial instructional strategies and curriculum mapping guides for school-level adoption.

3. Participants to this orientation-workshop are the School Principals and or Head Teachers from STE implementing schools across all Schools Division Offices. The following are the number of expected participants:

SDO/Office	Number of Participants
Alaminos City	2
Batac City	1
Candon City	1
Dagupan City	2
Ilocos Sur	4
Ilocos Norte	4

La Union	5
Laoag City	1
Pangasinan I	6
Panagsinan II	6
San Carlos City	2
San Fernando City	2
Urdaneta City	2
Vigan City	2
RSHS (La Union)	1
LSHS (Laoag)	1
Resource Speakers	4
RO/TWG	4
Total	**50**

4. Expenses relative to the conduct of this orientation-workshop, including board and lodging shall be charged against OSEC-1-25-04330, while travel expenses of the participants shall be charged against local funds, school MOOE, or other available sources, subject to the usual accounting and auditing rules and regulations. The first meal to be served is afternoon snacks on November 24, 2026 and the last meal is lunch on November 25, 2026.

5. For further inquiries, all concerned you may contact the Curriculum and Learning Management Division (CLMD) at telephone number (072) 682-2324 local 120.

6. Immediate dissemination of this Memorandum to all concerned is enjoined.

ESTELA P. LEON CARIÑO, EdD, CESO III
Director IV/Regional Director

Encl.: None
Reference: None
To be indicated in the Perpetual Index
Under the following subject:

ORIENTATION

CLMD/jce/RM_Biotech-RoboticsOrienation
November 4, 2026

DepEd RO1 Documan
CLMD261878