



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

October 15, 2024

DIVISION MEMORANDUM

No. 454, s. 2024

**ENHANCING THE SCIENTIFIC RESEARCH CAPABILITIES OF SECONDARY
SCIENCE TEACHERS THROUGH STEM TUKLAS
PROJECTS (Scie-Research@E4.0)**

To: Assistant Schools Division Superintendents
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 online and synchronous training-workshop in *Enhancing the Scientific Research Capabilities of Secondary Science Teachers Through STEM Tuklas Projects (Scie-Research@E4.0)*. This three-day activity will be on October 16-18, 2024 via MS Teams platform.
2. Recognizing the need to capacitate STE and STEM research advisers *by enhancing their scientific research capabilities thereby empowering them to coach their student-researchers in conducting STEM Tuklas projects* in response to the MATATAG agenda of **M**aking the curriculum relevant to produce competent and job-ready, active, and responsible citizens and **G**iving support to teachers to teach better as well as 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, this virtual training-workshop aims to:
 - a. enhance the knowledge and skills of STE and STEM research advisers in conducting science investigatory projects;
 - b. enable STE and STEM research advisers to provide technical assistance and support to their student-researchers in creating STEM Tuklas projects as part of the SPSTEM program implementation;
 - c. share their best practices in the SPSTEM program implementation to their colleagues through LAC sessions; and,
 - d. develop a SPSTEM Tuklas action plan for coaching student-researchers.
3. The participants of this online and synchronous training-workshop are the research advisers of the JHS-STE program and SHS-STEM academic strand.
4. Attached herewith are the training matrix for reference.
5. 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 the Enhancing the Scientific Research Capabilities of Secondary Science Teachers Through STEM Tuklas Projects (Scie-Research@E4.0) and the Training Management Team

Table 1. TRAINING MATRIX OF THE DIVISION TRAINING-WORKSHOP

Date/Time	Activity	Speaker/Facilitator
Day 1 (Wednesday, 16 October 2024)		
1:00 – 1:30 PM	Opening Program	TWG
1:30 – 4:30 PM	Session 1 A. Overview of the NSTF Handbook B. Review of SIP Forms	Bryan DC. Gabriel, PhD and TWG
Day 2 (Thursday, 17 October 2024)		
1:00 – 1:30 PM	Recap of the Previous Session	RP/TWG
1:30 – 4:30 PM	Session 2 A. Assessing Research Outputs B. Preparation for the DSTF/RSTF	Odette V. Espiridion, MAEd Rico Paulo G. Tolentino, PhD Jaypee Armenion, MAEd Marinella T. Pengson, PhD
Day 3 (Friday, 18 October 2024)		
1:00 – 1:30 PM	Recap of the Previous Session	RPs/TWG
1:30 – 4:30 PM	A. Presentation of Winning SIPs in: 1. Life Science 2. Physical Science 3. Robotics and Intelligent Machines 4. Mathematics and Computational Science 5. Science Innovation Expo B. Crafting of SPSTEM Action Plan (to be accomplished offline)	Rachel S. Viñas, PhD Joselito P. Mendoza, PhD Espy S. Balbuena, MAEd Jayson B. Eugelio, MAEd Lex Vernon G. Anzano, MAEd
4:30 – 5:00 PM	Closing Program and Awarding of Certificates	Proponent/RPs/TWG

Table 2. TRAINING MANAGEMENT TEAM

Proponent	Marinella T. Pengson, PhD DEPS – Science
Secretariat	Ma. Bella S. Fajardo EPS II – HRD
QATAME Associates	Ma. Lourdes J. Patag, LPT, MAE SEPS – SMME Cecille E. Cruz, LPT, MAE EPS II – SMME
Resource Persons	1. Bryan DC. Gabriel, PhD (Master Teacher I, San Ildefonso NHS) 2. Odette V. Espiridion, MAEd (Principal II, Maronquillo NHS) 3. Rico Paulo G. Tolentino, PhD (Principal III, Sta. Peregrina HS) 4. Jaypee Armenion, PhD (Principal II, Aguinardo J. Santos NHS) 5. Rachel S. Viñas, PhD (Master Teacher I, San Miguel NHS) 6. Joselito P. Mendoza, PhD (Head Teacher III, San Miguel NHS) 7. Espy S. Balbuena, MAEd (Master Teacher II, AFG Bernardino MTS) 8. Jayson B. Eugelio, MAEd (Teacher III, Carlos F. Gonzales HS) 9. Lex Vernon G. Anzano, MAEd (Teacher III, San Miguel NHS)
Technical Working Group	1. Beverly V. Basilio, MAEd-Science (Head Teacher III, Lolomboy NHS) 2. Joan T. Buluran, MAEd-Science (Head Teacher III, Sta. Peregrina HS) 3. Meriam H. Roldan, PhD (OIC-Head Teacher III, Julian B. Sumbillo HS) 4. Maricel M. Sosa, MAEd-Science (HT-I, Maronquillo NHS)