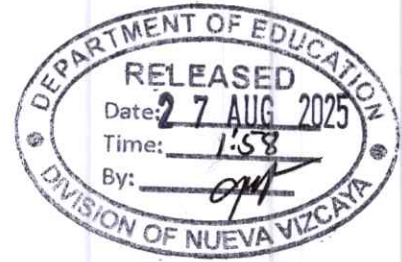




Republic of the Philippines
Department of Education
Region II – Cagayan Valley
Schools Division of Nueva Vizcaya



26 August 2025

DIVISION MEMORANDUM
No. 408, s. 2025

2025 DIVISION SCIENCE, TECHNOLOGY, & MATHEMATICS FAIR

To: Assistant Schools Division Superintendent
Chief Education Supervisors
Education Program Supervisors
Public Schools District Supervisors/District In-Charge
Public Elementary School Heads
Public and Private Secondary School Heads
District / Secondary / Integrated Schools Science Coordinators
All Others Concerned

1. The Schools Division Office of Nueva Vizcaya, through the Curriculum Implementation Division, announces the conduct of the 2025 Division Science, Technology, & Mathematics Fair on the following dates and venues;

Level / Date	Venue	PSDS/DIC/School Head
SECONDARY October 10, 2025	Dupax del Sur NHS Dupax del Sur District	David John D. Ubara PhD Lina Pal-ec
ELEMENTARY November 11, 2025	Solano East CS-ISC Solano I District	Lourdes T. Jasmin Ernesto T. Valido Jr Monalisa A. Cabato PhD

2. The theme of this year's Division Science, Technology, & Mathematics Fair is anchored on the 2025 Science & Technology Week Celebration of the Department of Science & Technology, "*Siyensya, Teknolohiya at Inobasyon: Kabalik at Matatag, Maginhawa at Panatag na Kinabukasan*".

3. This activity aims to:
- enhance and strengthen learners' STEM competencies by engaging them in research projects that address relevant local, national, or global issues and challenges;
 - provide a platform for learners to present their research findings and highlight their investigations and innovations within the STEM community;
 - cultivate a culture of creativity, critical thinking, and innovation among the youth; and
 - recognize and select the most promising and innovative learner-researchers who will represent the division in the succeeding level of competition.



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4. The participants in this activity are the district winners for the elementary level and the Top 5 qualifiers in the Science Investigatory Projects for the Secondary level.

5. The activities for the said S & T Fair are as follows;

Contested Activities	Elementary	Secondary
Science Investigatory Projects (5 categories)		/
Science Olympics	/	
On-the-Spot Poster Making Contest	/	
Scie-LR: A Division Showcase of Science	/	/
Comics-based Learning Resource Innovation	/	/

6. For the elementary level, each district shall submit one (1) entry for all contested activities. For the secondary level, each participating school may submit a maximum of two (2) entries in the Science Investigatory Projects (one individual and one team) and one (1) entry per school in the Scie-LR competition. *Refer to the attached Contest Guidelines and Mechanics.*

7. Manuscripts for the Science Investigatory Projects and Scie-LR must be submitted in triplicate to the Records Office, addressed to Ronnie B. Bibas, EPS-Science. *Refer to the attached Timeline of Activities for the corresponding deadlines.*

8. The contest mechanics, rules, and guidelines per category are based on the 2023 National Science & Technology Fair Guidebook, which can be accessed via the link https://bit.ly/2025_NSTF_Guidebook.

9. To ensure compliance with the policy on “Zero Disruption of Classes,” coaches with teaching loads are requested to prepare their Instructional Plans before the approval of their travel authority. However, it is strongly recommended that school heads and/or head teachers accompany the contestants during the said competition.

10. A separate memorandum shall be issued to announce the list of Technical Working Group members and facilitators.

11. Meals & snacks, travelling, and other incidental expenses relative to the preparation of their research and other materials needed by the participants shall be charged against the school MOOE and/or local funds. While, supplies, certificates, facilitators & technical working group’s accommodation, honoraria of the panel of judges, and other expenses relative to the conduct of the fair shall be charged to the 2025 PSEF and other local funds, subject to the usual auditing and accounting rules and regulations.

12. Immediate dissemination of this memorandum is desired.


ORLANDO E. MANUEL PhD, CESO V
Schools Division Superintendent



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**Contest Guidelines and Mechanics for the
2025 Science, Technology & Mathematics Fair**

Eligibility

1. The competition is open to Grades 9-12 learners of both public and private high schools in the Philippines who have not reached the age of 20 on or before May 1 of the current school year.
2. Learners may work individually or in teams of 2-3 members from the same school. Each learner is only allowed to submit one (1) research project in one (1) of the five (5) research categories: Life Science, Physical Science, Robotics & Intelligent Machines, Innovation Expo, Mathematics and Computational Science, and Innovation Expo. The project should include no more than 12 months of continuous research and should only include research activities performed from January 2025 to the present.
3. Only full-blown manuscripts shall be accepted, and only registered participants with transmitted manuscripts shall advance to the elimination round to be conducted on October 3, 2025, to determine the top five (5) in each category. Qualifiers will then proceed to the face-to-face (F2F) Division Science, Technology & Mathematics Fair (DSTF) slated on October 10, 2025.

Research Categories

1. The science research competition is divided into five (5) categories, each has an Individual and a Team. The student researchers and advisor should carefully consider which category best describes the research project. They may enter the competition as an individual or as a team.
2. In the elimination round, all participating schools may submit two (2) entries for each category, one (1) individual and one (1) as a team.

General Procedures and Guidelines

A. During the Elimination Round:

1. Submission on or before October 1, 2025, at the Division Office in three (3) hard copies, each placed in a properly color-coded A4-sized cover page, as follows:

Life Science	Individual	Green
	Team	Yellow
Physical	Individual	Blue
	Team	Orange
Robotics and Intelligent Machines	Individual	Pink
	Team	Brown Morocco
Innovation Expo	Individual	Regular white envelope
	Team	Regular brown envelope



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2. The TWG/DSRC shall conduct a project pre-evaluation based on the NSTF criteria. A division memorandum shall then be issued to announce the Top 5 shortlisted qualifiers for the DSTF and the schedule of the final judging.

B. During the conduct of DSTF-Science Congress:

1. The conduct of the different categories shall be done simultaneously, with three (3) judges assigned per event. Judges may begin their interviews as they circulate the display of investigatory projects/expositions. Such interviews will be integrated into the presenter's scores during the oral defense.
2. The display board for TUKLAS- 4 categories shall follow the specification of not more than 1 meter by 2.5 meters, whereas for INNOVATION EXPO, it shall be 38 inches by 48 inches. The use of plastics, styrofoam, indigenous, and other synthetic materials is strongly discouraged. The use of paper tarpaulin is highly recommended. Only the final output shall be displayed, and no observer shall be allowed to participate.
3. The student researchers/presenters shall be in their business attire and shall be given three (3) minutes for their oral presentation, followed by a seven (7) minute Q&A. Use of slide decks is optional. A printed copy of their manuscripts available at hand would be favorable for them.

Reference: NSTF Handbook 2023



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2025 DIVISION SCIENCE & TECHNOLOGY FAIR

**A) ON-THE-SPOT POSTER MAKING CONTEST
(For Elementary Level ONLY)**

1. The contest is open to all Grades III to VI learners from the public and private elementary schools in the division.
2. Each district shall have one entry only.
3. The contest will revolve around the theme of the 2025 Division Science and Technology Fair.
4. Posters shall be original and hand-drawn using oil pastel (open-color) and **1/4** illustration board to be brought by the contestants. The use of a Pentel pen is optional. The orientation of the drawing shall be portrait.
5. Each poster shall be identified by a number that corresponds to the identity of the contestants for judging purposes.
6. Borrowing of materials from other contestants shall not be allowed.
7. Entries will be judged according to the criteria as follows:

Concept and Relevance to the theme:	30%
Originality:	25%
Creativity:	20%
Visual Impact:	25%
Total:	100%
8. The allotted time for the contest is 3 hours, after which all entries shall be submitted to the contest administrator. Contestants may decide to submit his/her poster earlier without waiting for the lapse of 3 hours. Once the contest has started, coaches are no longer allowed to approach or speak with their contestants.
9. There shall be a contest briefing of 10 minutes before the contest proper.
10. Only the official/registered coaches are allowed to clarify the contest guidelines and other related matters.
11. Certificate of Recognition shall be awarded to the top 5 entries, and a Certificate of Participation shall be given to the rest of the contestants and coaches.
12. The decision of the board of judges is final and irrevocable.
13. The declared Champion in the division level shall be the official contestant of SDO Nueva Vizcaya in the Regional Level.

B) SCIENCE SKILLS OLYMPICS - ELEMENTARY

1. The contest is open to all Grades IV to VI learners from the public and private elementary schools in the division.
2. There shall only be a team of three (3) contestants of the same school per district.
3. There shall be a contest briefing of 10 minutes before the contest proper.
4. Only the official/registered coach is allowed to clarify the contest guidelines and other related matters.



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5. Some materials shall be brought by the contestants, which shall be announced a day before the contest proper through the District Science Coordinators, while the other materials shall be provided by the management.
6. A marked folder with five (5) pieces of yellow pad paper shall be provided to the contestants for the manuscript/write-up.
7. The format of the manuscript shall be the following:
 - Title
 - I. Problem
 - II. Hypothesis
 - III. Materials
 - IV. Procedures
 - V. Data, Observations, and Findings
 - VI. Conclusion
8. The situation/problem shall be given after the preliminaries on the day of the contest. The contestants shall be given 10 minutes to prepare the materials needed for the activity.
9. The contestants are given one (1) hour to finish their experiment, including their write-up. Once the contest has started, coaches are no longer allowed to go near and talk to their contestants.
10. Presentation of outputs shall be done through drawing lots. Each group is given 3-5 minutes to present their outputs, including the question-and-answer portion.
11. Contestants are advised to wear any comfortable clothing or anything that does not reveal their school identity.
12. 11. The criteria for judging are as follows:
 - a. Follow the steps in experimentation - 60%
 - i. Problem- 5%
 - ii. Hypothesis/hypotheses- 5%
 - iii. Procedures - 15%
 - iv. Data and Observation - 20%
 - v. Conclusion - 15%
 - b. Follow the standard in experimentation - 30%
 - i. Proper usage of the materials and observance of precautionary measures-10%
 - ii. Completion of Experimental Writeup- 15%
 - iii. Tidying up of the Workplace- 5%
 - c. Oral Presentation - 10%
13. Certificate of Recognition shall be awarded to the top 5 entries, and a Certificate of Participation shall be given to the rest of the contestants and coaches.
14. The decision of the board of judges is final and irrevocable.
15. The declared Champion in the division level shall be the official contestant of SDO Nueva Vizcaya in the Regional Level.



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Scie-LR 2025: A Division Showcase of Science Comics-Based Learning Resource Innovations

Ronnie B. Bibas EdD

General Objective

To recognize and showcase innovative outputs in EDTeCK – these are comics-based science learning resource materials that effectively support the development of scientific literacy and 21st-century skills among learners in Key Stages 2 and 3.

Specific Objectives

1. To promote the use of comics as a creative medium for teaching science concepts in an engaging and learner-friendly way
2. To encourage teachers to develop contextualized, grade-appropriate learning resources aligned with the Learning Competencies (LCs) of the Revised K to 10 Curriculum
3. To identify and recognize outstanding comics-based learning materials that exhibit functionality, scientific accuracy, creativity, and learner engagement
4. To gather and curate a pool of quality teacher-made science comics that may be shared as supplemental learning resources across schools

Target Participants

- Science teachers in public elementary and secondary schools handling Science Grades 4 to 10 (Key Stages 2 and 3)
- 1 Key Stage 2 Science Teacher-participant per district
- 1 Key Stage 3 Science Teacher-participant per secondary school

Expected Outputs

- One (1) original comics-based learning resource material per participant addressing the least mastered learning competency.
 - For Grades 4 & 7 – any Least Mastered Learning Competency across grading periods.
 - For Grades 5 and 8 – use the Least Mastered Learning Competency for the first grading period this school year.
 - For Grades 6, 9, and 10 – choose any MELC across grading periods but align it with the Revised K to 10 Learning Competencies.
- A printed copy of any size suitable for the grade level identified (3 copies)
- Accompanying Lesson Log/ Lesson Plan where the Scie-LR shall be used (3 copies)



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Suggested Timeline

	SECONDARY	ELEMENTARY
Call for Entries:	August to October 2025	August to October 2025
Submission Deadline:	October 3, 2025	November 4, 2025
Evaluation Period:	October 10, 2025	November 11, 2025
Awarding/Showcase:	October 10, 2025	November 11, 2025

Awards/Recognition Ideas

- Best Scie-LR – Comics-based Learning Resource Innovation (Key Stages 2 & 3) - Top 5
- Best Science Concept Illustrator – Top 5

Suggested Criteria for Judging

Criteria	Points
Content, Relevance, and Accuracy <ul style="list-style-type: none">- Assesses the scientific correctness, depth, and appropriateness of the content presented in the comics. The material should contain relevant, up-to-date, and accurate science concepts suited to the intended grade level. It must reflect real-world applications and encourage meaningful understanding of key scientific ideas.	30 pts
Creativity and Originality <ul style="list-style-type: none">- Evaluates the uniqueness and inventiveness of the comics in presenting science content. Entries should demonstrate fresh ideas, imaginative storytelling, and innovative use of visual elements and dialogue that enhance the learning experience beyond conventional materials.	20 pts
Learner Engagement and Readability <ul style="list-style-type: none">- Focuses on the comic's ability to capture learners' interest and sustain their attention. Assesses the clarity of language, pacing, flow of panels, and visual appeal. The material should be age-appropriate, culturally relevant, inclusive, and accessible to learners with diverse needs.	20 pts
Alignment with Learning Competencies / Revised K to 10 Curriculum <ul style="list-style-type: none">- Reviews how well the comic-based material aligns with the Learning Competencies (LCs) or the revised K to 10 Science Curriculum. The material should clearly support targeted learning outcomes and contribute to the achievement of science content standards.	15 pts
Practical Use and Functionality <ul style="list-style-type: none">- Determines the ease of use and classroom applicability of the material. Considers how the resource can be integrated into actual teaching and learning scenarios, whether in print or digital format. It should be user-friendly, adaptable, sustainable, and cost-effective for wider use by teachers and learners.	15 pts
TOTAL	100 POINTS



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**Timeline of Activities for the
 2025 SCIENCE, TECHNOLOGY & MATHEMATICS FAIR**
Venue: Dupax del Sur National High School

Activity	Date of Implementation
Planning and Coordination Meeting	September 5, 2025
Issuance of Official Memo and Guidelines	September 10, 2025
Call for Entries of Science Investigatory Projects (SIP)	September 8 - 30, 2025
Deadline for Submission of Science Investigatory Projects (SIP) Entries	October 1, 2025
Screening of SIP Entries (Top 5 per Category)	October 3, 2025
Announcement of Top 5 Finalists and Issuance of Official Memo	October 6, 2025
SIP Exhibit and Science Congress – Science, Technology & Math Fair Proper	October 10, 2025
Announcement of Top 2 Science Investigatory Projects Regional Qualifiers	October 10, 2025
Provision of Technical Assistance & Coaching Sessions to the Regional Entries	October 13-17, 2025
Finalization of Manuscripts for SIP Regional-level Entries	October 13 to November 7, 2025
Division-level Submission of Manuscripts	November 10, 2025
Regional-level Submission of Manuscripts	November 14, 2025
Issuance of the Division Memo on Official Participants to the Regional Level	November 17, 2025
Regional Science, Technology & Mathematics Fair Proper	November 26-28, 2025
National Science, Technology & Mathematics Fair Proper	TBA



MathScieYa Researchers' Camp cum Science & Technology Fair 2025

RONNIE B. BIBAS EdD, EPS -Science

NIMFA NORIE A. AQUINO PhD, EPS-Math



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