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

August 17, 2026

DIVISION MEMORANDUM
No. 424, s. 2026

DIVISION SCIENCE AND TECHNOLOGY FAIR (DSTF 2026)

To: Assistant Schools Division Superintendent
Public Schools District Supervisors/District In-charge
Public and Private Elementary School Heads
Public and Private Secondary School Heads
Public and Private Elementary and Secondary Teachers
All Others Concerned

1. Advancement in the various fields, accentuated by technology, is at the forefront of navigating the education landscape. This has magnified the role of science and researchers in providing specific and effective solutions to global issues and challenges. The Department of Education (DepEd), through the Curriculum Implementation Division (CID), announces the conduct of the 2026 Division Science and Technology Fair (DSTF) on **September 11, 2026**, at the Lanao del Norte National Comprehensive High School. This year's theme is **"Exploring Future through Exploring Technologies and Innovative Solutions"** .

2. The DSTF continues to empower the learners and cultivate innovation and creativity amidst a changing world. It aims to showcase the competence of learners in addressing community problems for sustainable development and to maximize their potential by being inquisitive and creative in dealing with real-life problems. This event serves as a vital platform for learners to demonstrate their scientific inquiry, research capabilities, and technological skills.

3. The Division Science and Technology Fair will showcase the following events and competitions:

a. **TUKLAS Research Project:**Project Research Competition for Grade 7-10 and 11-12
b. **Science Pitching Competition** (Elementary Grades4-6)
c. **Poster Making Contest** (Elementary Grades4-6 and Grades 7-10)
d. **Mobile Robotics Competition** (Grades 7-8 and Grades 9-10)

4. All expenses incurred during the 2026 DSTF shall be charged to School MOOE/Local Funds/Canteen Funds and other sources of funds. Medals, Technical Working Committee/Board of Judges' meals, and other materials shall be charged to Division MOOE/Local Funds, subject to the usual accounting, auditing rules, and regulations.

5. The documents below are enclosed for the information and guidance of all concerned.

Enclosure No. 1	Tuklas Research Project Mechanics and Criteria
Enclosure No. 2	Science Pitching Contest Mechanics and Criteria
Enclosure No. 3	Poster Contest Mechanics and Criteria
Enclosure No. 4	Mobile Robotics Competition Mechanics and Criteria

6. The following are the schedule of submission:

September 3 ,2026 - Submission of Complete Research Project Entries via email.add rowena.lontayao001@deped.gov.ph for Grades 7-10 and Grades 11-12.

September 4 ,2025 – Submission of Science Pitching entries for Grade 4-6 via rowena.lontayao001@deped.gov.ph

1. All Science Lead Coordinators (Elementary and Secondary) and members of the Technical Working Group (TWG) shall participate in a virtual meeting on September 4, 2026, via MS Teams. The meeting will focus on the final coordination planning and alignment of activities and responsibilities for the Division Science and Technology Fair 2026 (DSTF)

2. Immediate and wide dissemination of this Memorandum is desired.

EDWIN R. MARIBOJOC EdD, CESO V
Schools Division Superintendent

Encl.: As stated, (paragraph 5)
Reference:
To be indicated in the Perpetual Index
under the following subjects

CURRICULUM SCIENCE AND TECHNOLOGY FAIR RESEARCH PROJECT

Enclosure No.1 to Division Memorandum No._____ s.2026)

TUKLAS RESEARCH PROJECT FAIR

1. All Public and Private participating Schools shall prepare the Research Project Fair (JHS and SHS) with the NSTF theme:" **Exploring Future through Exploring Technologies and Innovative Solutions".** It foster innovation and driving sustainable development that showcase solutions , promoting collaboration, and inspiring future generation to embrace Science Innovation.
2. If all projects are approved by the school level and Division SRC, they become the official entries for the DSTF Tuklas Research Project, however, ssubstitutes are not allowed. The descriptions and the maximum number of officials are the following:

TEAM COMPETITION	Maximum Number of Participants per category		TOTAL
	Junior/Senior High School		
	Participants	Coach	
Life Science	3	1	4
Physical Science	3	1	4
Robotics and Intelligent Machine	3	1	4
Science Innovation	3	1	4
Mathematics and Computational Science	3	1	4

INDIVIDUAL COMPETITION	Maximum Number of Participants per category		TOTAL
	Junior/Senior High School		
	Participants	Coach	
Life Science	1	1	2
Physical Science	1	1	2
Robotics and Intelligent Machine	1	1	2
Science Innovation	1	1	2
Mathematics and Computational Science	1	1	2

3. The following are the forms and manuscript to be submitted ;
   1. RESEARCH PLAN
   2. FORMS for all Projects
      a) Checklist for all the Adults Sponsor
      b) Student Checklist (1A)
      c) Research Plan NOTE:
      d) Approval Form (1B)

3. FORMS depending on the type of research (e.g involving human, vertebrae, animals , hazardous chemical etc.)
   A. Qualified Scientist Form (2)
   B. Risk Assessment Form (3)
   C. Human Participants Form (4)
   D. Human Informed Consent Form
   E. Vertebrae Animal Form (5A)
   F. Vertebrae Animal Form (5B)
   G. Potentially Hazardous Biological Agents Risk Assessment Form (6A)
   H. Continuation Project Form (7)
4. Abstract (Maximum of 250 Words)
   The abstract shall include the following:
   A. Purpose of the experiment B. Procedure C. Data Conclusion

   The abstract may NOT include the following:
   a. Acknowledgement
   b. Work of procedure done by the mentor
5. Research Paper (Include the Title Page , Abstract , Main Body , and References)
6. Scanned Copy of the logbook

4. JUDGING CRITERIA FOR TUKLAS COMPLETE RESEARCH PROJECT

RESEARCH PROJECT	
Creative Ability	30%
Scientific Thought	30%
Thoroughness	15%
Skill	15%
Clarity	10%
TOTAL	100%

ORAL PRESENTATION	
Originality and Innovation	20%
Technical/Scientific Merit	20%
Community Connection and Impact	20%
Excellence of Method	20%
Presentation	20%
TOTAL	100%

5. TECHNICAL WORKING GROUP (TWG) TUKLAS RESEARCH PROJECT FAIR
Chairman: DANNY ANTICAMARA

Co- Chair : 1. HELEN TORRES

2. CAMARODIN MUTO

Team and Individual Category Technical Working Group (TWG)

1. LIFE SCIENCE CATEGORY : Chriza Faith Aguipo and Magda Regalado

2. PHYSICAL CATEGORY : Nova Cabo and Ethel B. Abroquena

3. ROBOTICS AND INTELLIGENT MACHINES CATEGORY: Ivan Belnas Steven Boizer

4. SCIENCE INNOVATION : Maria Colita Regalado and Ledesma Visitation

5. MATHEMATICS AND COMPUTATIONAL SCIENCES: Venus Sabas and Hilda Sabuga

Enclosure No.2 to Division Memorandum No._____ s.2026)

DIVISION SCIENCE PITCHING COMPETITION (Grades 4-6)

I. The competition aims to:

1. develop learners' ability to communicate scientific ideas clearly and confidently;
2. encourage learners to identify real-life problems in their school, home, or community; promote creativity, critical thinking, innovation, and problem-solving through Science;
3. develop learners' skills in presenting practical and feasible solutions using scientific concepts; and provide an avenue for young learners to transform ideas into possible innovations and solutions.

II. The proposed solution must be the learners' original work and idea, with appropriate guidance from their teacher/adviser.

III. Participants:

The competition is open to Grades 4–6 learners from public and private elementary school. Each participating school may send three (3) contestants/team. The learners shall be accompanied by a teacher-coach/adviser.

IV. Mechanics:

1. Each team shall identify a real-world problem related to any of the following: Environment and Climate Change Health and Well-being Disaster Risk Reduction Agriculture and Food Security Waste Management Energy and Water Conservation School and Community Concerns Appropriate Technology and Innovation .

2 Each team shall prepare a one-page Science Pitch Proposal containing; Title of the proposed innovation/solution Problem identified Scientific concept/principle involved Proposed solution or innovation How the solution works Expected benefits/impact Materials/resources needed Feasibility and sustainability

4. Pitch Presentation Each team shall be given 3 minutes to present the Science Pitch. This shall be followed by 2 minutes of Question-and-Answer (Q&A) with the Board of Judges.
5. The presentation may use: a prototype/model; illustration or poster; simple visual aids; or a demonstration. The learner/s must personally deliver the pitch.
6. A visible timekeeper shall signal the contestants at the 2-minute and 3-minute marks.

V. Criteria for Judging:

Scientific Accuracy and Understanding	25%
Creativity and Innovation	20%
Relevance and Significance of the Problem	20 %
Feasibility and Sustainability of the Proposed Solution	20%
Clarity, Organization and Quality of Presentation	15%
	TOTAL 100%

VI. TECHNICAL WORKING GROUP (TWG) SCIENCE PITCHING COMPETITION

Chairman: RAQUEL J. CABUSAS/JUDGE

Co-Chair : 1. CAMALIA A. BANI/JUDGE

2. KENNETH LACHICA /JUDGE

Members:

1. JONALYN YAP- Principal 1
2. MILDRED ABELLA - Principal 2
3. JASMIAH BUANDING- Principal 1
4. HAIDE CURAMBAO-LNNCHS
5. TEREZA B. RIZON-LNNCHS

POSTER MAKING CONTEST GUIDELINES AND MECHANICS

1. Contest Categories:
   Elementary (Grade 4-6) Secondary (Grade 7-12)
2. Theme:
   - Participants must create a poster that emphasizes the NSTF theme: :" **Exploring Future through Exploring Technologies and Innovative Solutions".**
3. Materials and Specifications:
   - The poster must be created in a ¼ size illustration board.
   - Only oil pastels are allowed for coloring.
   - Participants must bring their own illustration board and oil pastels.
   - The poster must not contain any text or wordings.
   - No borders should be included on the poster.
4. Time allotment and Accountability:
   - Participants will be given one (1) hour and thirty (30) minutes to complete their posters
   - Participants are responsible for ensuring that their designs are original and authentic. Any issues regarding plagiarism or duplication will be the participant`s responsibility.
5. Judging Criteria:

Creativity and Presentation	- 40%
Originality	-30%
Relevance to the theme	-30%
TOTAL	**100%**

6. **TECHNICAL WORKING GROUP (TWG) POSTER MAKING CONTEST**
   Chairman: RICHELLE ALBA /Judge Co-Chair : CHARLYN A. AYING/Judge

Members:

1. Aileene Dadula- MTMNHS
2. Hanifa Calandada -Baloi NHS
3. Albert Puertos- Salvador NHS
4. Kareen Kaamino-MTMNHS
5. Siann Duque-Linamon NHS
6. Ivy Lynette Sayson

Enclosure No.3 to Division Memorandum No._____ s.2026)

MOBILE ROBOTICS COMPETITION MECHANICS AND CRITERIA
(Grades 7-8 and Grades 9-10)

1. Nature of the Competition:

The Mobile Robotics Competition challenges participants to design, program, and navigate a robot to complete a challenging, multi-segment course. The competition is divided into two categories and is designed to test the participants' skills in robotics, programming, and problem-solving. The guidelines have been adapted from regional and national standards to ensure a high level of competition .

2. Categories:

Category	Grade Level	Team Type	Participants per Team	Robot Base
Junior Category	Grades 7-8	Group	2 students	Ranger Robot and Ace Bot kit with water ball launcher
Senior Category	Grades 9-10	Individual	1 student	Ultimate 2.0 with Robotic Arm and AD176 ESP32 Robot

Note: Three (3) winners per category (1st, 2nd, and 3rd) will be declared.

3. Team Composition and Eligibility:

- Eligibility is limited to participants who are both currently enrolled at their representative school.
- Each team must have one (1) coach/teacher per School.
- Coaches and spectators must remain in designated audience areas during the runs.

4. Robot Specifications:

- **Uniformity:** All robots must be the standard kits provided by DepEd Region 10 in partnership with Rotary West Cagayan de Oro. No structural modifications are allowed.
- **Start Mechanism:** Fully autonomous start via physical button or sensor delay for the line-following (Junior) and obstacle avoidance (Senior) segments. A mobile phone will be used to control the robot for the Water Ball Launcher (Junior) and Pick-and-Place (Senior) challenges.
- **Battery:** Only 18650 Lithium-ion batteries (max 12V) are allowed. Batteries will be provided or inspected on-site for uniformity.

5. Game Rules:

- **Control:** The robot is fully autonomous after the start for the first segment of each category. The second segment uses remote control via a mobile app .
- **Preparation Time:** Each team/individual will be given **60 minutes** for calibration on the official practice track.
- **Runs:** Each team/individual gets **two (2) official runs**. The best time counts for the final score.
- **Run Time Limit:** Each run has a **five (5) minute** time limit.
- **Penalties:**
    1. **Manual Intervention:** Touching a robot during an active run = +5 seconds per intervention.
    2. **Robot Derailment/Stuck:** Robot leaves the track or is immobile for >5 seconds = +5 seconds and reset to the last valid point.
    3. **Token Drop (Senior Zone 1):** Dropping the token = +5 seconds. The robot must retrieve and re-attempt.
    4. **Illegal Movement:** Moving outside designated boundaries = +5 seconds.
- **Tiebreaker:** Fastest second run, then lightest robot.

6. Judging and Scoring:

- **Primary Scoring:** The primary criteria is the fastest completion time for both segments (Zone 1 + Zone 2).
- **Bonuses (Deducted from time):**
    - Junior: -5 seconds for no physical repositioning in line-following; -5 seconds for thematic markers.
    - Senior: -5 seconds for no physical repositioning in obstacles; -5 seconds for thematic markers.
- **Disqualification:** Rule violations, damage to the field, or the use of non-uniform parts will result in immediate disqualification.

7. TECHNICAL WORKING GROUP (TWG) POSTER MAKING CONTEST

Chairman: MARICHU MISCALA/ JUDGE

Co-Chair : JAMES OLIVER DEANG /JUDGE

MARICEL CABOVERDE/JUDGE

EDALYN OLIS /JUDGE

Members:

1. IVAN BELNAS
2. STEAVEN KINT D. BOIZER
3. ANJO DOZANO
4. REY SAMANIE

Enclosure No.4 to Division Memorandum No._____ s.2026)

AWARDS AND RECORDING COMMITTEE

Functions:

1. Prepare the official recording forms for all contests and categories including Judges score sheets, consolidated tabulation sheets and award lists.
2. Receive and consolidate the scores submitted by the different board of judges after each competition.
3. Verify and cross-check scores to ensure accuracy, completeness and consistency.
4. Compute and determine the ranking of contestants based on the criteria and mechanics.
5. Identify the Winners and awardees.
6. Secure the signatures of the concerned Judges
7. Maintain the confidentiality of results and prepare the official lists of winners.
8. Prepare the certificate,medals ,plaques, trophies and other awards.

Chairperson: IVY LYNETTE SAYSON
Co-Chair Peron: CLIFTON C. DUAVIS
Committee Composition:

1. Recording and Tabulation : Mylinda Alison and Loid Kadile.
2. Documentation : Ivy Lynette Sayson,Saul Bigontes, Emma Francisco
3. Program and Tarpaulin : Elline Cabrera and Haide Curambao
4. Emcees : Daison Anthony Monter , Magda Regalado
5. Awards and Certificates : Clifton Duavis , Judith Bazar , Daison Anthony Monter

DIVISION SCIENTIFIC RESEARCH COMMITTEE

CHAIRMAN	ROWENA E. LONTAYAO-EPS
VICE-CHAIRMAN	ANISAH A. SINAL – Principal 4
MEMBERS:	HELEN C. TORRES-Principal 4
	JASMIAH BUANDING- Principal 1
	RICHELLE ALBA -Principal 4
	RACQUEL J. CABUSAS-Principal 3
	DANILO C. ANTICAMARA-Principal 1
	CAMARODIN MUTO– MT1
	KENNETH LACHICA-MT2/SIC
	CHARLYN AYING-Principal 1
	CAMALIA A. BANI- Principal 4
	JONALYN YAP- Principal 1
	MILDRED ABELLA - Principal 2