



Republic of the Philippines
Department of Education
REGION X- Northern Mindanao
SCHOOLS DIVISION OF LANA O DEL NORTE

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RECORDS SECTION CONTROL NO. 32041		
RELEASED		
24 AUG 2026	2:00	nam
DATE	TIME	BY

13 August 2026

Division Memorandum

No. 435, s. 2026

**DIVISION FESTIVAL OF TALENTS - STEMazing
ELIMINATION ROUND**

To: Public Schools District Supervisors/ District In-Charge
Elementary and Secondary School Heads
Select Elementary & Secondary Math Teachers
This Division

1. The field is hereby informed that the Division Festival of Talents - STEMazing Elementary-Elimination Round will be held on **September 3, 2026; 8:30 AM at Abaga Central Elementary School, Abaga, Lanao del Norte.**
2. The STEMazing Elementary is a two-phase mathematical adventure competition designed for learners in Grades 4-6 that combines physical exploration, mathematical investigation, and problem-solving in real-world contexts.
3. This competition aims to
 - a. demonstrate learners' proficiency in applying mathematical concepts to solve authentic real-world challenges;
 - b. manifest effective communication and collaborative skills in mathematical discourse and team problem-solving; and
 - c. show mastery in integrating concepts across various mathematical domains.
4. Participants shall consist of three (3) learners from Key Stage 2, with one (1) learner per grade level allowed from each district. The third contestant shall serve as the alternate contestant during the Regional Festival of Talents in case either of the two (2) official contestants is unable to participate in the higher-level competition. For example, a district team may be composed of one (1) Grade 4 learner and one (1) Grade 6 learner as the official contestants, with the third learner serving as the alternate contestant.
5. Participants are advised to bring a basic Casio calculator (mx-12b), ruler, tape measure, protractor, yarn, clean writing materials, school credentials (SF 10), parent consent forms, medical certificates, umbrella/caps, water, food pack (lunch) and snacks.



Address: DepEd-Division of Lanao del Norte, Pigcarangan, Tubod, Lanao del Norte
Telephone Nos.: (063) 227 6150
Email Address: lanao.norte@deped.gov.ph
Website: <https://depeddn.com>

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6. At registration, measuring tools and calculators will be inspected, while school credentials and parent consent forms must be submitted.
7. Station Facilitators/ In-charge are directed to prepare the necessary materials, including a digital clock/ timer and secure the scoresheets from the tabulators.
8. The **District Elimination** shall be conducted from **August 15 to 29, 2026**. The Public Schools District Supervisors (PSDSs)/District In-Charge, together with the District Mathematics Lead Principals, shall spearhead and oversee the conduct of the activity.
9. Contestants and coaches are advised to pre-register at this link: <https://tinyurl.com/ym2yudk5>. The deadline for pre-registration will be on **August 31, 2026**, to allow the Technical Working Group (TWG) time to prepare the contest materials. **Strictly NO WALK-IN CONTESTANTS**.
10. The host school shall provide venues for the different stations, water stations, rest areas, a sound system, internet access, emergency kits, and a safety officer.
11. Furthermore, the top five teams will advance to the final round, which is scheduled for **October 10, 2026**.
12. The competition structure, technical working group, and sample stations are attached.
13. Moreover, prework activity will be on **September 2, 2026, 8:30a.m.** at Abaga CES. All facilitators and PMTs are directed to attend.
14. Meals, travel and other expenses of the contestants, coaches and technical working committees shall be charged to local funds/MOOE subject to the usual accounting and auditing rules and regulations.
15. Furthermore, a two-day service credit shall be granted to teaching personnel who are involved in the conduct of the said training per DepEd Order No. 53 s. 2003, upon submission of two copies of accomplished Form 48.
16. This memorandum serves as Travel Authority for all the participants of this training.
17. Immediate dissemination of and strict compliance with this Memorandum by all concerned is highly enjoined.

EDWIN R. MARIBOJOC EdD, CESO V
Schools Division Superintendent

ATCH.: As stated

Reference:

To be indicated in the Perpetual Index
under the following subjects

CURRICULUM

ASSESSMENT

COMPETATION

CID EPS/ lcoe

August 13, 2026.



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COMPETITION STRUCTURE

1. Participants shall consist of three (3) learners from Key Stage 2, with one (1) learner per grade level allowed from each district. The third contestant shall serve as the alternate contestant during the Regional Festival of Talents in case either of the two (2) official contestants is unable to participate in the higher-level competition. For example, a district team may be composed of one (1) Grade 4 learner and one (1) Grade 6 learner as the official contestants, with the third learner serving as the alternate contestant.
2. Upon registration, each team will receive a route map showing the 10 stations and a team number that they must wear throughout the race.
3. Each station is marked with a yellow flag. Boy Scouts will serve as flag bearers (using red and green flags) at the entrance of each station. If the green flag is raised, the team may enter and perform the challenges. If the red flag is raised, the station is occupied, and the team must find an empty station.
4. Teams navigate shall through multiple stations to solve challenges at each station. The total number of stations is ten (10): four stations for Easy Round, two stations for Average round and four stations for the difficult round. The majority of the challenges shall focus on Mathematics competencies.
5. Each station shall have a time limit for completing the task. A digital timer will be provided at every station, which the teams must activate by themselves when they begin their task and deactivate once they finish or choose to discontinue.
6. For challenges involving oral presentation, each team presentation shall be limited to two (2) minutes only, and followed by a five (5)-minute Question and Answer (Q&A) session.
 - All judges may ask questions, provided the Q&A remains within the allocated five-minute timeframe.
 - Each team must complete their presentation within two (2) minutes. For every additional minute beyond the allotted time, one (1) point will be deducted from the team's score for that station.
 - A timer shall be assigned for the task.
7. Participants are not permitted to return to any previous station they chose to discontinue, even if they still have remaining time. Returning to discontinued stations will result in disqualification from the contest. Before the participants are called for the oral presentation, they will stay in a designated holding area.
8. The total maximum time allotted to complete the whole STEMazing challenge is 180 minutes.
9. Contest facilitators at each station will validate the team's answer or output. Any form of communication between the participants and other parties (e.g., coach, parents, classmates, teachers, etc.) shall warrant automatic disqualification from the competition.
10. At the end of the competition, the group with the highest cumulative score will be declared the overall champion. In case of a tie, a tie-breaker question will be given. The decision of the judges shall be final and irrevocable.
11. The race will begin when the STEMazing master gives the signal. Teams are free to choose any station to start. Upon completion of the race, they must submit their route map to the tabulators.

12. The top five teams in the elimination round will advance to the final round, which is scheduled for **October 10, 2026**.
13. The winning team during the final round will represent the division at the Regional Festival of Talents – STEMazing Elementary.

Safety and Compliance

- Teams must stay within designated safe zones
- Mandatory use of specified safety equipment
- Access to water stations and rest areas
- Compliance with station-specific safety guidelines
- Station Masters present at each checkpoint
- Medical team on standby throughout the competition
- Safety Officer overseeing all activities

SCORING AND AWARDS

Scoring System Implementation

- Digital real-time scoring through station verification
- Individual judge scoring followed by panel consensus
- Final verification by Head Judge and Technical Committee

Award Categories

• Elimination Round:

Top five teams will receive medals and certificates

• Final Round:

Main Awards:

- Overall Champion (Medal + Certificate)
- First Runner-up (Medal + Certificate)
- Second Runner-up (Medals + Certificates)
- Third Runner-up (Medals + Certificates)
- Fourth Runner-up (Medals + Certificates)



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Rubric for Scoring for Written Outputs

Criteria	Max Point	Excellent	Good	Fair	Poor
Content Thematic Relevance and Organization	8	8 - 7 pts Comprehensive, logical, and strongly aligned with theme Well-structured, follows all format guidelines	6 - 5 pts Mostly clear and relevant, minor gaps Mostly organized, minor format issues	4 - 3 pts Limited depth, some inconsistencies Some disorganization, noticeable format errors	2 pts - 1 pt Incomplete or off-topic Poor structure, ignores format
Feasibility of Proposed Solution	6	6 pts Highly practical, based on valid scientific, mathematical, technological principles	5 - 4 pts Generally feasible, minor assumptions unclear	3 - 2 pts Limited feasibility, weak assumptions	1 pt Impractical or unsupported
Relevance of Data Used	6	6 pts Uses accurate, credible, and well-integrated data	5 - 4 pts Mostly relevant and credible data	3 - 2 pts Some irrelevant or weak sources	1 pt Data inaccurate or missing
Total	20				

Rubric for Scoring for Oral Presentation / Argument

Criteria	Max Point	Excellent	Good	Fair	Poor
Delivery/ Discussion of Arguments	8	8 - 7 pts Arguments are clear, logical, and strongly supported by scientific, mathematical, and technological principles; delivery is confident and engaging.	6 - 5 pts Arguments are mostly clear and supported by valid assumptions; delivery is generally good.	4 - 3 pts Arguments lack depth or clarity; limited support from valid assumptions; delivery needs improvement.	2 pts - 1 pt Arguments are weak, unclear, or unsupported; delivery is ineffective.
Content Presentation and Organization	5	5 pts Demonstrates full knowledge by presenting details with explanations and elaboration	4 pts At ease with presenting details without much elaboration	3 pts Uncomfortable with presenting information and is able to present details but without elaboration	2 pts - 1 pt Does not have a grasp of details during the presentation, cannot elaborate the information presented
Ability to Answer Questions	7	7 pts Accurate, confident, and well-supported answers	6 - 5 pts Mostly accurate, minor hesitation	4 - 3 pts Limited accuracy, vague answers	2 pts - 1 pt Incorrect or no answers
Total	20				

Note: Oral presentation will be based on the written output.

DFOT – STEMazing Elementary

Technical Working Group

Committees	Function	Materials Needed	In-charge
Registration	➤ Prepare attendance sheets ➤ Screen SF10, certification from the School Head, parent's consent and medical certificates ➤ Prepare the Certificates of Appearance	• Attendance sheet • Official list of contestants • Envelops for SF10, etc • CAs	Emily G. Mag-alasin, Kalinaw Kalilintad Integrated Peac School Rowell R. Llaca, Lanao del Norte National Comprehensive High School Rosario G. Ramo, Mamagum IS
Tabulators	➤ Develop score sheets for all stations, ensuring both digital and printed formats are available. ➤ Create a consolidated score sheet, also in digital and printed formats. ➤ Implement a live score projection system in the hall for real-time updates. ➤ Ensure the time recorder accurately documents the start and end times for each station or event. ➤ Submit the final and official results with EPS in Math.	• Projector with screen • Printer • Bondpaper • Envelops for score sheets	Emily G. Mag-alasin, Kalinaw Kalilintad Integrated Peac School Rowell R. Llaca, Lanao del Norte National Comprehensive High School Rosario G. Ramo, Mamagum IS
Awards	➤ Prepare and distribute medals and printed certificates of recognition for winning contestants and their coaches. ➤ Ensure the award categories: ➤ Elimination Round: Top 5 teams (medal + certificate) ➤ Final Round: *Overall champion (medal + certificate) *First runner-up (medal + certificate) *Second runner-up (medal + certificate) *Third runner-up (medal + certificate) *Fourth runner-up (medal + certificate)	• Medals • Certificates of recognition • Printer • envelops	Mylene Diaz, Pagayawan IS Sarah Mapandi, Kolambugan CES Naima Egue, Matampay IS

Program	➤ Create a detailed program flow for the opening ceremony and awarding ceremony. ➤ Distribute printed programs and invitations to the SDS, ASDS and CID Chief.	• Bond paper • Flow of the program	Lorna Barazona, San Manuel ES Johnsen Tabano, Maranding CES
Prepare Station Markers/ Flag lets	➤ Design and produce clear signages for all stations, including the clinic, registration area, screening area, and resting areas. ➤ Layout and print tarpaulin for the activity ➤ Prepare and install control signals in each station: 10 red flags (station is full) and 10 green flags (station is empty). ➤ Prepare and place 10 station markers. ➤ Assign 10 Boy Scouts from Abaga CES to operate the flag control signals.	• 10 red & 10 green flag lets • Tarpaulin in each station • 10 gold flags as station markers • 10 boy scouts • Tarp for clinic, registration, resting areas	Josephine Cadallo, Patudan ES Susan O. Barba, Abaga Central Elementary School Roldan Mutia, Magpatao ES
Documentation	➤ Station facilitators shall capture all activities in each station and transmit to the tabulator committee. ➤ Prepare a detailed completion report summarizing the event. ➤ Keep the team registration forms, SF10, medical and consent forms, competition worksheets and final presentation materials.	• Envelops for the final results • Compilation of pictures	Station Marshalls/Facilitators Emily G. Mag-alasin, Kapatagan East CES Rowell R. Llaca, LNNCHS Rosario G. Ramo, Mamagum IS
Route Map	➤ Design and print 31 copies of the number race map. ➤ Clearly indicate the locations of the 10 stations, registration area, water stations, resting area, and clinic area on the race map. ➤ Enclose each printed race map in a transparent protective envelope.	• Photo paper • 31 transparent envelops	Genvie T. Sayon, Kapatagan National High School Edward Bolangis, A. Logronio IS
Screening	➤ Inspect each team's calculators, measuring tools, and other permitted materials (bond paper, pens, pencils). ➤ Confirm that each team is equipped with umbrellas or caps, and adequate food provisions.	• Plastic containers for the digital devices •	Darryl Dimapitan, Salvador Norjannah Untong, Sultan Palao Ali ES

First Aid	➤ Prepare medical kits ➤ Establish medical emergency response protocols for incident management.	• Emergency kit	Designate nurse

STATION CHALLENGES (Elimination Round)

1. Easy Round Stations

Station	Instruction	Materials needed	Time Allotment	Facilitators
1 Sudoku (5 points)	- The players will do the task in this station. - The players place a number into each cell of the diagram so that each row across, each column down, and each block within the larger diagram (there are 9 of these) will contain every number from 1 through 9. - The player will answer one average puzzle within 5 minutes. <i>(5 teams at a time)</i>	• puzzle with instruction • Scoring/ marking scheme based on the correct answer • Stopwatch/digital clock	5 min	Josephine Cadallo, Patudan ES Marilyn Sienes, M. Esmade IS
2 Tangram (5 points)	- The players will be provided with 2 sets of tangrams pieces, with each set consisting of seven geometric shapes. - Pieces can be rotated and flipped to achieve the desired shape. - The players are given 5 minutes to form a figure using the two sets of tangrams. <i>(5 teams at a time)</i>	• Tangrams (10 sets) • Score sheets • Scoring scheme	5 min	Maria Claribel Ruelan, Tacub ES Esnaira Mascara, Maliwanag ES
3 Math Cross number Puzzle (10 points)	- The player must solve the problems by filling in the crossnumber puzzle (mechanics is like a crossword puzzle, instead of word, use numbers) - Each item will correspond to either an Across or Down number in the grid. - The player should write the correct answers in the puzzle grid. - They will be given 10 minutes to finish the task. - Calculator is NOT allowed <i>(5 teams at a time)</i>	• Contest material with instruction • Math cross number puzzle • score sheet • stopwatch • scoring scheme	10 min	Baby Marie Apas, LNPSTHS Norjanah Untong, Sultan Palao Ali ES

4 Domino Loop Challenge (10 points)	1. The players may start with any domino piece and lay each new domino so that it connects to the previous one using a matching numbers until they will form a closed loop for a duration of 10 minutes. (5 teams at a time)	- Contest mechanics 5 sets of Domino - stopwatch	10 min	Marivic A. Bahungsuwa, Malingao CES Joel Maraviles, San Vicente ES Fe Mirabueno, Robocon ES
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2. Average Round

Station	Instruction	Materials needed	Time Allotment	Facilitators
5 Number Ninja (10 points)	1. Five number sentences are written on the steps. 2. Each team must solve the number sentences mentally. 3. The players must step on the number sentence with the least to greatest (vice versa) answer. 4. If there is any number touched out of sequence, a penalty time is added. (+10 secs). 5. The players may assist their teammates when moving from one step to the next step. 6. The timer begins as soon as the first-person steps in and stops when the last person crosses over the last step. 7. Each team must solve the number sentences mentally. 8. The station can accommodate two teams at a time	- Written instruction for the contestants - number of number sentences in tarp/Manila paper - score sheet - stopwatch	15 min	Edward Bolangis, A. Logronio IS Gemvie T. Sayon, Kapatagan National High School
6 Digit Cards (10 points)	1. Players will be given a random 4-digit number. 2. They will answer a set the questions (minimum of 5 questions) using the numbers provided. <i>For example:</i> Given number: 1,2,3,4 (written in separate cards) Write the largest number: _____ <i>Possible answer: 4,321</i> Write the largest prime number: _____ <i>Possible answer: 1,231</i> 3. Calculator is NOT allowed. 4. The station can accommodate two teams at a time.	- digit cards - Written instruction for the contestants - score sheet - scoring scheme - stopwatch	10 min	Rey Q. Garcillanosa, Kapatagan East CES Almera B. Mejorada, Lanao Norte Provincial Science and Technology High School

3. Difficult Round

Station	Instruction	Materials needed	Time Allotment	Facilitators
7 Arm Span (15 points)	- The player one at a time will measure the perimeter of a space using the arm length. - The number of arm lengths will be multiplied by the measure of the arm length in cm. - The player will only be given a maximum of 25 minutes. - The team will present their answer to the facilitators.	- Contest material with instruction - score sheet - stopwatch - scoring scheme	25 min	John Anthony G. Lomosad, AAQNHS Elsa A. Monteza, Sergio Cerujales, Sr. NHS
8 Triangular Lot (10 points)	- The team will tie the yarn to markers on the trees to form a triangular shape. - The team will then calculate the area of the triangle they have formed. - The team must strategize how to solve the area using the materials available in their kit. - The team will present their answer to the facilitator.	- Written instruction for the contestants - Score sheet - Stopwatch - Yarn to be used by the team	10 min	Cherry Joy V. Ebo, Lanao del Norte National Comprehensive HS Jamalie C. Lomantong, Salvador National High School
9 Mini Pond Challenge (15 points)	- The team's task is to measure the area of the mini pond using yarn, a measuring tape, or any other available measuring device. - Calculate the amount of water needed to fill the pond to three-quarters ($\frac{3}{4}$) full. - Using the provided container, determine how many containers of water are needed to fill the mini pond to three-quarters ($\frac{3}{4}$) full. - The team will present their answer to the facilitators.	- Written instructions - Measuring tools - stopwatch	15 min	Glenn D. Mahinay, Lala National High School Francisco Vedra, Salong ES
10 Measure and Makeover (10 points)	- The team's task is to compute the total cost of bricks needed to cover a designated area. Note that the cost is PhP ____ per brick. (Note: brick sample is provided) - The team will measure the area to be filled with bricks using either yarn or a measuring tape. - The station can accommodate one team at a time.	- Yarn or measuring tape - Sample brick - Stopwatch - Score sheet	10 min	Cheryl Q. Reyes, Lanao del Norte National Comprehensive HS Ivy P. Sayson, Lala National High School