



Republic of the Philippines
Department of Education
Region X
CAGAYAN DE ORO CITY DIVISION



Fr. William F. Masterson, S.J. Avenue,
Brgy. Upper Balulang, Cagayan de Oro City, 9000 Philippines

DEPARTMENT OF EDUCATION - DIVISION OF CAGAYAN DE ORO
CAGAYAN DE ORO CITY

Division Memorandum

No. 902 s. 2019

RELEASED

DATE: NOV 28 2019

BY: [Signature]

2019 REGIONAL SCIENCE AND TECHNOLOGY FAIR

TO: Jean S. Macasero, EPS- Science
Karl Anthony O. Salise Carmen NHS
Glen Dal Gusa-RSHS
Luvilla Dagatan Kauswagan NHS
Marilou Lora Pigsagan NHS
Maryjane Labadan Man-aiNHS

1. Relative to Regional Memorandum no. 691, s. 2019, RE: 2019 Regional Science and Technology Fair, you are hereby directed to attend the said activity on November 11-13, 2019 at Bulua National High School, this city.
2. Attached is the list of qualified contestants, advisers and the mechanics on the different events to be contested.
3. For information, guidance and compliance.


CHERRY MAE L. LIMBACO
Schools Division Superintendent

LIST OF CONTESTANTS AND ADVISERS

Life Science Individual

Name of Contestant (s)	Coach	School
Curry P. Silva	Leah Lyn A. Lingatong	Cagayan de Oro National High School- Junior High School
Clyde T. Auman	Ma. Doris P. Napone	Gusa Regional Science High School- X

Life Science Team

Name of Contestant (s)	Coach	School
Kieth A. Molin	Leah Lyn A. Lingatong	Cagayan de Oro National High School- Junior High School
John Paul M. Baldon		
Norhidayah M. Tumindog		
Deo Paring	Ma. Doris P. Napone	Gusa Regional Science High School- X
Mark Durotan		
Meg Ballescas		

Physical Science Individual

Name of Contestant (s)	Coach	School
Cedric I. Bernaldez	Christine A. Montalban	Cagayan de Oro National High School- Junior High School
Mark Louie Moncano	Aristotle R. Mabale	Gusa Regional Science High School- X

Physical Science Team

Name of Contestant (s)	Coach	School
Jeremy Joshua D. Diolanto	Christine A. Montalban	Cagayan de Oro National High School- Junior High School
Gwyneth A. Capagngan		
Sittie Hedayah B. Lawi		
Iryll Dave Plazuela	Aristotle R. Mabale	Gusa Regional Science High School- X
Abegail Borces		
Maria Isabel Jost Sauribio		

Robotics and intelligent Machines individual

Name of Contestant (s)	Coach	School
Leajane S. Alom	Laureen M. Manud	Cagayan de Oro National High School- Junior High School
Kahlil Marc Yagao	Christian Gem C, Pimentel	Gusa Regional Science High School- X

Robotics and intelligent Machines Team

Name of Contestant (s)	Coach	School
Kristal Joy C. Ontoy	Laureen M. Manud	Cagayan de Oro National High School- Junior High School
Johana A. Pandapatan		
Merry Rose M. Respecio		
Joli Cagampang	Christian Gem C, Pimentel	Gusa Regional Science High School- X
Alexis Jade Batica		
April Joyce Amolato		


Science Innovation Expo Individual

Name of Contestant (s)	Coach	School
Samanta Krizean A. Balabat	Hasima Salic	Cagayan de Oro National High School- Junior High School
Aldwin Bitoon	LOYD CABUNOC	Gusa Regional Science High School- X

Science Innovation Expo. Team

Name of Contestant (s)	Coach	School
Abdul Hamid T. Baulo	Leah Lyn A. Lingatong	Cagayan de Oro National High School- Junior High School
Joevel Berana		
Alaiza Rose		
Stephanie Dawn Gador	LOYD CABUNOC	Gusa Regional Science High School- X
Nicole Bonsilao		
Mary Melody Amor Bagay		

Prepared by:


 JEAN S. MACASERO
 EPS-Science



Republic of the Philippines
DEPARTMENT OF EDUCATION
DepEd Region X – Northern Mindanao



DXC- 315-38

November 4, 2019
DepED-X
Cagayan de Oro City

REGIONAL MEMORANDUM

No. 1057, s. 2019

NOV 06 2019

RELEASED

ADDENDUM TO REGIONAL MEMORANDUM NO. 577, S. 2019
(2019 REGIONAL SCIENCE AND TECHNOLOGY FAIR)

To: **Schools Division Superintendents**
This Region

1. Regarding the issued Regional Memorandum No. 577, s. 2019 entitled 2019 Regional Science and Technology Fair, the activity will be held at Bulua National High School, Bulua, Cagayan de Oro City, on November 11-13.
2. **Exhibit Guidelines.** Per discussion of the details of the exhibit, the following resolutions were agreed upon by the education program supervisors present:
 - a. The project display will use any form of paper (tarpapel or the like) that will clearly summarize the research project. The form of paper will be left to the discretion of the participants' resources and capabilities;
 - b. The maximum size of the display exhibit, as to depth, width, and height will be strictly adhered upon as stipulated in the 2020 NSTF Guidelines. However, as to the issue raised by the Division of Iligan City regarding the logistics in handling bulk display boards, bringing of display boards, and hanging them on tie wires, the same shall be left to the discretion of the concerned SDOs, provided that the guidelines will be strictly followed;
 - c. Judges of the exhibit will be the EPSs of the different participating SDOs.
3. **Poster-Making Guidelines.** The guidelines and mechanics set were unanimously approved upon by the education program supervisors present, as follows:
 - a. The contest is on the spot and will revolve around the theme;
 - b. The medium for visual artistry shall only be oil pastel while the required base paper to be used is a one half illustration board;
 - c. All materials to be used will be provided by the contestants. Borrowing of materials shall NOT be allowed;



Republic of the Philippines
DEPARTMENT OF EDUCATION
DepEd Region X – Northern Mindanao



September 23, 2019

REGIONAL MEMORANDUM

No. 577, s. 2019

DepED-X
Cagayan de Oro City

2019 REGIONAL SCIENCE AND TECHNOLOGY FAIR

OCT 04 2019
9463


RELEASED

To: **Schools Division Superintendents**
This Region

1. Regarding DepEd Memorandum No. 113 s. 2019, the DepEd Regional Office (RO), through the Curriculum and Learning Management Division (CLMD), will conduct the **2019 Regional Science and Technology Fair (RSTF)** at the University of Science and Technology of Southern Philippines (USTP), Cagayan de Oro City, on November 13-15, 2019.
2. The RSTF is aimed at promoting science and technology consciousness and a culture of innovation among the youth and identifying the most creative and innovative student researchers from the Junior and Senior High Schools to represent the region in the National Science and Technology Fair (NSTF).
3. The official participants from each division in the 2019 RSTF shall **only be the rank-1 divisional winners** in each of the different categories whose entries have been approved by the regional level **Scientific Review Committee (SRC)**.
4. The divisional science supervisors/coordinators are requested to submit to CLMD their reports (in excel using the format provided in attachment no.5) on the conduct of divisional science and technology fair, as well as the data on all the science investigatory project (SIPs) entries during the divisional fair on or before **October 31, 2019**. Failure to submit on time the required reports will disqualify the division in the regional fair.
5. The following documents are attached for information and guidance of all concerned:
 - Attachment No.1-A - Official Delegates to the Regional Science and Technology Fair
 - Attachment No.1-B - Guidelines on the Regional Science and Technology Fair
 - Attachment No. 2 - Color and Letter-Number Codes for the Different Contest Categories per Schools Division Office
 - Attachment No. 3 - Report on the Conduct of the Division Science and Technology Fair
 - Attachment No. 4 - Schematic Diagram on the Flow of Activities
 - Attachment No. 5 - Calendar of Important Activities and Requirements
 - Attachment No. 6 - Working Committees
 - Attachment No. 9 - SRC Review and Recommendation Report Form (please see DepEd Memo No. 113, s. 2019, Attachment No. 12)
 - Attachment No.10 - BOJ Project Evaluation Form (please see DepEd Memo

- d. The allotted time for the contest is two hours, after which, all entries shall be submitted to the contest administrator. Contestants may decide to submit their poster earlier without waiting for the lapse of the two-hour period. Late submission shall be deducted one percent from the total for every extension of five minutes. A fraction of five minutes shall be considered five minutes for the purpose of the deduction;
- e. Each poster shall be identified by a number that corresponds to the number and identity of the contestants for the judging process;
- f. The poster will be evaluated based on the following criteria:
- | | | |
|------------------------|---|------------|
| Content | - | 20% |
| Creativity | - | 20% |
| Design Presentation | - | 20% |
| Originality | - | 20% |
| Relevance to the Theme | - | <u>20%</u> |
| TOTAL | - | 100% |
3. **Shout-out Criteria** (Adapted from 2019 NSTF)
- Maximum of 30 sec. in video format
 - Clear Video and Clear Audio
 - Best Tag Line to represent your division
- Example: Designing Organic Solutions – PHILIPPINES!*
4. Additional members of the Technical Working Group (TWG):
- Planning Committee:
- Co-Chair: Ms. Vivian S. Diamante
Ms. Airene O. Suan
- Technical Committee:
- Co-Chair: Dr. Minda S. Rebolledo – Principal, Bulua NHS
- Members: Dr. Roy H. Lumban
Ms. Emily A. Tabamo
Ms. Edna M. Lamco
Teachers, Science Department
5. All other provisions in the said memorandum shall remain in effect.
6. Immediate and wide dissemination of this Memorandum is desired.

DR. ARTURO B. BAYOCOT, CESO III
Regional Director


VICTOR G. DE GRACIA JR, PhD, CESO V
Assistant Regional Director *aj*



Republic of the Philippines
DEPARTMENT OF EDUCATION
DepEd Region X – Northern Mindanao



6. Further, the divisional science supervisors/coordinators, school heads, and participants are expected to download soft copies of the International Rules for Pre-college Science Research: Guidelines for Science and Engineering Fair 2019-2020 from

<https://sspcdn.blob.core.windows.net/files/Documents/SEP/ISEF/2020/Rules/Book.pdf> and the fillable forms from <https://sspcdn.blob.core.windows.net/files/Documents/SEP/ISEF/2020/Forms/All.pdf>.

7. Expenses of this activity shall be charged against the Regional MOOE and subsidy from the DepEd-BCD while food, accommodation, transportation, and other incidental expenses of research advisers, contestants, and other participants shall be charged against their local funds/MOOE, subject to the usual accounting and auditing rules and regulations.

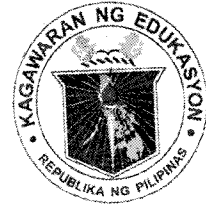
8. Attached is the DepEd memorandum for your reference.

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


DR. ARTURO B. BAYOCOT, CESO III
Regional Director



Republic of the Philippines
DEPARTMENT OF EDUCATION
DepEd Region X – Northern Mindanao



(Attachment No. 1-A to Regional Memorandum No. 572 s. 2019)

A. If all projects are approved by the regional level SRC, there shall be a maximum number of 48 (24 for JHS and 24 for SHS STEM) official delegates per division. Substitutes are not allowed. The descriptions and the maximum number of official participants are the following:

Description of official participants per Division/Regional Science HS	Maximum Number of Participants		Total
	Junior/Senior HS		
	Participants	Coach	
Life Science Category	4	2	6
Physical Category	4	2	6
Robotics and Intelligent Machines Category	4	2	6
Science Innovation Expo	4	2	6
Total	16	8	24



Republic of the Philippines
DEPARTMENT OF EDUCATION
 DepEd Region X – Northern Mindanao



(Attachment No. 1-B to Memorandum No. 577, s. 2019)

Guidelines on the 2019 Regional Science and Technology Fair

1. The Research Competition

The competitions will be conducted among Junior and Senior High School (STEM) students from both public and private schools. The first-place winners in each of the categories at the Division level shall represent the division to the Regional Science and Technology Fair as approves by the Regional scientific review committee (SRC).

The competition will start at the school level advancing to the divisional, regional, national, and international levels. Regional Science High School (RSHS) entries are expected to join the regional fair directly. RSHS may submit only one entry per category.

The participation of schools in the RSTF shall be clustered into three types: Life Science, Physical Science, Robotics and Intelligent Machines, and Science Innovation Expo. All mathematics- and engineering-related projects shall join in the Physical Science Category.

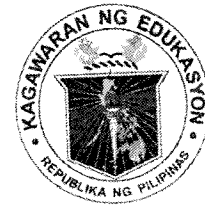
Life Science (LS)		Physical Science (PS)		Robotics and Intelligent Machine (RIM)		Science Innovation Expo	
Individual Project	Team Project	Individual Project	Team Project	Individual Project	Team Project	Individual Project	Team Project

2. The Awards

A. Special Awards	Descriptions
• Best Shout Out	Best shout out should portray creativity, clarity of the hashtags or message, the coherency of the music or lyrics to the message or actions and organization as shown from the submitted 2-minute video and actual presentation.
• Best Poster (Poster Making)	The poster will be evaluated based on the content (the identity of the division through culture, practices or landmark), creativity, design presentation, originality and relevance to the theme.
• Best Project Poster	Best Project Poster will be evaluated based on the design, layout, dimension, and contains a set in the standard for the display board, organization and clarity.



Republic of the Philippines
DEPARTMENT OF EDUCATION
DepEd Region X – Northern Mindanao



B. Best Projects <ul style="list-style-type: none">• Top 3 Best Projects for each category will be awarded	There will be separate awards for the three best projects: First (Gold), Second (Silver), and Third (Bronze) for each category.
<ul style="list-style-type: none">• The overall winner will represent the region in the NSTF in each category: Life Science (IND) Life Science (TEAM) Physical Science (IND) Physical Science (TEAM) Robotics (IND) Robotics (TEAM) Science Innovation Expo (INDI) Science Innovation Expo (TEAM)	Overall winners are the first place winner per category. They will be the DepEd Region X Qualifiers for the 2020 National Science and Technology Fair.

3. Levels of Research Competition

The following are the forms and manuscripts to be submitted in all levels of the competition:

1. RESEARCH PLAN
2. FORMS for all the projects
 - A. Checklist for Adult Sponsor
 - B. Student Checklist (1 A)
 - C. Research Plan NOTE: No need to attach the Research Plan Instructions
 - D. Approval Form (1B)
 - E. Regulated Research Institutional/ Industrial Setting Form (IC)
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 (5 A)
 - F. Vertebrae Animal Form (5B)
 - G. Potentially Hazardous Biological Agents Risk Assessment Form (6A)
 - I. Continuation Project Form (7)



Republic of the Philippines
DEPARTMENT OF EDUCATION
DepEd Region X – Northern Mindanao



4. Abstract (Maximum of 250 words)

The abstract should include the following:

- A. Purpose of the experiment
- B. Procedure
- C. Data Conclusion

The abstract may NOT include the following:

- A. Acknowledgment
- B. Work of procedure done by the mentor

- 4. Research Paper (Include the Title Page, Abstract, Main Body, and References)
- 5. Project Evaluation Form (see Enclosure No.8)
- 6. Scanned copy of the logbook

Projects of the proponents should have been screened by the Institutional Review Board (IRB)/SRC at the school level. All school-level winners must be certified by the **divisional SRC** to join in the division-level fair.

The Division Science Supervisors shall be a member of BOJ who shall determine the school/division winners of the different categories and fair divisions.

With the exception of RSHSs and PSHSs', student of both regular and science high schools of private and public high schools shall participate in the division -level STF.

Winners at the school level should be officially endorsed to the division office for the division-level. Likewise, the division-level winners should be officially endorsed to the regional office.

The official list of the first place winners at the division level, report on the conduct of STF soft copies of manuscripts and other necessary documents shall be officially endorsed by the Division Office to DepEd Region X through the CLMD on November 8, 2019.