



Republic of the Philippines
Department of Education
REGION VII – CENTRAL VISAYAS
Schools Division of Cebu Province

October 12, 2023


DIVISION MEMORANDUM

No. 426, s. 2023

REGIONAL SCIENCE AND TECHNOLOGY FAIR 2023

To: Assistant Schools Division Superintendents
Chief, CID
Public Schools District Supervisors/OICs

1. Attached is RM No. 756, s.2023, dated October 10, 2023, re “**Regional Science and Technology Fair 2023**”.
2. Immediate dissemination of this Memorandum is directed.


SENEN PRISCOLO P. PAULIN, CESO V
Schools Division Superintendent

<SPPP/VAY/LMD/FCL/CID/SGOD/MAPF/JEM>



Republic of the Philippines
Department of Education
REGION VII - CENTRAL VISAYAS

Office of the Regional Director

10 OCT 2023

REGIONAL MEMORANDUM

No. 756 s. 2023

REGIONAL SCIENCE AND TECHNOLOGY FAIR 2023

To: Schools Division Superintendents
Assistant Schools Division Superintendents
All Others Concerned

1. This Office, through the Curriculum and Learning Management Division (CLMD), will conduct the most anticipated event in Science and Math – The Regional Science and Technology Fair 2023 on the following dates:

1.1 Preliminary Round – This is intended for the screening and review of the submitted entries of the 20 SDOs. Submission of the entries will be on November 15, 2023, from 1:00 pm-12:00 midnight via Google drive link that will be provided. The screening and review of entries will be on November 16-19, 2023. The list of RSTF 2023 Finalists will be released through a Regional Memorandum on November 20, 2023.

1.2 Final Round – This is intended to highlight the RSTF 2023 Finalists in all categories in an Onsite and Podium Presentation on November 27-29, 2023, at Ecotech Center, Sudlon Lahug, Cebu City.

2. This year's RSTF aims to empower the youth and cultivate innovation and creativity amidst the changing world. The RSTF also aims to showcase the competence of the learners in addressing community problems for sustainable development and to maximize their potential of being inquisitive and creative in dealing with real-life problems.

3. The RSTF 2023 will adopt the following contests:

3.1 NSTF 2023 Contests:

- o Tuklas (A STEM research competition that provides opportunities for Junior and Senior High School learners to showcase their research projects based on their field of interest and/or realworld problems, issues, and concerns in Life Science, Physical, Robotics and Computational Science)*
- o Innovation Expo (Technology Innovation competition which aims to recognize the most creative and market viable project addressing major issues in food safety, water conservation,*



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renewable energy, cyber security, road safety, health, disaster mitigation, agriculture, and environment)

3.2 RSTF 2023 added Contests:

- **Sibol** (A full research paper or Science Investigatory Project Competition in any categories for Key Stage 2)
- **Siyensikula** (An original video creation competition for Secondary Level)
- **Digituro** (An original video creation competition for Teachers in Elementary-Secondary)

4. Participants in the Preliminary Round are the endorsed first-place winners of the 20 Schools Division Offices. However, the participants in the Final Round are the finalists with the Coaches and Education Program Supervisors/Coordinators in Science and Math, whose entries are shortlisted by the Regional Screening Committee. Participation in the RSTF 2023 is strictly voluntary.

5. Refer to enclosure on the *Guidelines in the Regional Science Fair 2023*.

6. The draft handbook of the conduct of Science Fair shall be furnished to the SDO EPS Science and Math.

7. A Registration Fee of Php 3, 500.00 shall be collected for each participant to cover the board and lodging of the participants and judges. All participants are advised to be on a live-in basis. Travel and other incidental expenses as well as the registration fee shall be charged to School/Division MOOE, PTA fund, SEF and other fund sources subject to the usual government accounting and auditing rules and regulations.

8. Each division office is requested to prepare a 30-second shout-out video in an mp4 file to be played in the opening program which features the winners of the DSTF in all categories reciting the shout out/mantra of the division with some upbeat music. This will be submitted on or before November 20, 2023, through the Google drive link that will be provided with a file name: Shoutoutvideo_Division.

9. For more inquiries, kindly contact Dr. Bryant C. Acar, R7 EPS in Science at 09430166769 or bryant.acar@deped.gov.ph and Mr. Cesar A. Restauero Jr., R7 EPS Math at 09175656569 or cesar.restauero@deped.gov.ph.

10. Immediate dissemination of and compliance with this Memorandum are directed.

SALUSTIANO T. JIMENEZ JD, EdD, CESO V
Director IV
Regional Director

STJ/FYA/CLMD/MJD/bca



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Curriculum and Learning Management Division

Enclosure of RM 756, 2023

Guidelines in the Regional Science Fair 2023
Updated October 9, 2023

A. Added Regional Contests

I. Siyensikula (Secondary Level Contest)

1. This competition is open to all Junior High School and Senior High School students from both public and private schools in Region VII. Only the first-place winner in the SDO level shall be submitted for the regional contest. Only 1 student should appear in the final video.
2. The student must discuss a science/math topic from the identified least learned competencies in SY 2023-2024 from Quarter 1-4, 2023. Kindly refer to the EPS/Coordinator in Science/Math for the listing. The student must discuss the topic in a clear, creative, and engaging manner through a video presentation that is not more than three minutes. The student must discuss the topic in English language only. It must possess subtitles at the bottom of the video.
3. All creative visual tools such as animations, demonstrations, simulations, and field tours are allowed and must be original using any platform or media. Entries with photos and videos which are derivative works (copyrighted) will automatically be disqualified.
4. Script should be made and submitted in word format with citation of references on content, music, images, and pictures that are non-copyrighted and open source. Script should be in A4 format, double spaced, bookman old, 11 font size with 1 inch margin on all sides.
5. All submitted videos will be part of the ROVII property and will be used for teaching-learning purposes to be posted in the Repository of Science/Math Learning Resources.
6. All entries will be scored based on the following criteria:

Indicator	Description	Points
Engagement	Possess elements that can captivate and make the viewer interested in the videos. It has a "Wow" factor.	10 points
Illumination	The video was able to fully explain providing depth and width of the topic and content and made it easy to understand. It has comprehensive citation of references.	20 points
Creativity	The video provided inventive and seamless approaches that can be used to teach the subject matter.	10 points



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Difficulty	The extent of the discussion was made at an advanced level with specific details and examples.	10 points
Total Points		50 points

II. Digituro sa Siyensya (Teacher Contest)

1. This competition is open to all Elementary, Junior High School and Senior High School teachers from both public and private schools in Region VII. Only the first-place winner in the SDO level shall be submitted for the regional contest. Only 1 teacher should appear in the final video.
2. The teacher must discuss a science/math topic from the identified least learned competencies in SY 2023-2024 from Quarter 1-4, 2023. Kindly refer to the EPS/Coordinator in Science/Math for the listing. The teacher must discuss the topic in a clear, creative, and engaging manner through a video presentation that is not more than three minutes. The teacher must discuss the topic in English language only. It must possess subtitles at the bottom of the video.
3. All creative visual tools such as animations, demonstrations, simulations, and field tours are allowed and must be original using any platform or media. Entries with photos and videos which are derivative works (copyrighted) will automatically be disqualified.
4. Script should be made and submitted in word format with citation of references on content, music, images, and pics that are non-copyrighted and open source. Script should be in A4 format, double spaced, bookman old, 11 font size with 1 inch margin on all sides.
5. All submitted videos will be part of the ROVII property and will be used for teaching-learning purposes to be posted in the Repository of Science/Math Learning Resources.
6. All entries will be scored based on the following criteria:

Indicator	Description	Points
Engagement	Possess elements that can captivate and make the viewer interested in the videos. It has a "Wow" factor.	10 points
Illumination	The video was able to fully explain providing depth and width of the topic and content and made it easy to understand. It has comprehensive citation of references.	20 points
Creativity	The video provided inventive and seamless approaches that can be used to teach the subject matter.	10 points
Difficulty	The extent of the discussion was made at an advanced level with specific details and examples.	10 points
Total Points		50 points



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III. Sibol Contest (SIP for Elementary – Key Stage 2)

1. This is a full research paper or SIP contest for elementary pupils open to public and private schools in the region. The team must have a minimum of 2 and a maximum of 3 pupils with 1 coach only. The team could be of the same grade level or combination of grade levels in key stage 2.
2. Only 1 team or the first-place winner in the SDO level shall be endorsed to the regional level for screening.
3. The team can choose from any of the SIP categories: Life, Physical, RIM or Computational Science.
4. All technical guidelines are the same in the SIP Contest for Secondary level based on the NSTF Handbook.

B. RSTF Winners, Awards and Point System

1. Each category will have five (5) awards based on the ranking: 1st, 2nd, 3rd, 4th, and 5th.
2. Each rank will be given certificate of recognition and trophy or medals.
3. Each rank will be given cash prizes to be determined and awarded by Vivant Foundations Inc.
4. First placers will be given a grant of Science Equipment courtesy of Vivant Foundations Inc.
5. To determine the over-all winners, the following shall be considered:

Categories	Points System				
	1 st Place	2 nd Place	3 rd Place	4 th Place	5 th Place
Life Science Team	10	8	6	4	2
Life Science Individual	8	6	4	2	1
Physical Science Team	10	8	6	4	2
Physical Science Individual	8	6	4	2	1
RIM Team	10	8	6	4	2
RIM Individual	8	6	4	2	1
Innovation Expo Team	8	6	4	2	1
Innovation Expo Individual	6	5	4	2	1
Computational Science Team	10	8	6	4	2
Computational Science Individual	8	6	4	2	1
Sibol SIP Elem	10	8	6	4	2
Siyensikula	5	4	3	2	1
Digituro	5	4	3	2	1



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C. PROGRAM MANAGEMENT TEAM

RSTF Chairman	Dr. SALUSTIANO T. JIMENEZ Regional Director
RSTF Co-Chairman	Atty. Fiel Y. Almendra Assistant Regional Director
RSTF Consultant	Dr. Maria Jesusa C. Despojo Chief ES, CLMD
RSTF Managers	Dr. Bryant C. Acar RO7 EPS Science Mr. Cesar A. Restauero Jr. RO7 EPS Math
RSTF Technical Working Group	
SDO Education Program Supervisor in Science SDO Education Program Supervisor in Math	

D. RSTF Assignment of EPS Science and Math

Event	Assigned EPS	Program/Materials	Assigned EPS
Life Science Contest	SDO Bogo (Judges) SDO Bais (Finalist)	Registration and billeting	SDO Cebu Province (Math and Science) SDO Danao (Math and Science)
Physical Science Contest	SDO Lapu-Lapu (Judges) SDO Carcar (Finalist)	Opening Program	SDO Canlaon SDO Tanjay
RIM Contest	SDO Cebu City (Judges) SDO Bayawan (Finalist)	Display Board Posting and Cutting of Ribbon	SDO Negros Oriental (Math and Science) SDO Tagbilaran (Math and Science)
Innovation Expo	SDO Mandaue (Judges) SDO City of Naga (Finalist)	Certificates and Awards (Display)	SDO Toledo SDO Dumaguete (Math and Science)
Computational Science	Math SDO Cebu Province (Judges) Math SDO Danao (finalist)	Closing Program	SDO Canlaon SDO Tanjay
SIP Elem/Siyensikula/ Digituro	SDO Talisay (Judges) SDO Siquijor (Finalist)	Tally Team	SDO Bohol SDO Guihulngan
RO7 EPS Science and Math – RSTF Event Managers			

Note

- For event in-charge, those who are assigned to the judges are responsible in all undertakings pertaining to program preliminaries, judges' introduction,



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inquiries, concerns, tally sheet, food, materials, and collection/provision of manuscripts.

- *For event in-charge, those who are assigned to finalists are responsible for the seating arrangement of the finalists and coaches, managing the presentation, moderating the Q and A, and managing the timer.*

E. PROGRAM MATRIX

Day 0 - November 27, 2023	
1:00 pm	Program Management Team Briefing (EPS Science and Select EPS Math with RO7 EPS Science and Math)
3:00 pm	Registration of Qualified Participants Venue: Ecotech Entrance Hall
4:00 pm	Billeting
4:40 pm	Setting and Mounting of SIP Posters Venue: Ecotech covered Walk Rehearsal of SDO Representatives (banner bearer) Venue: Pavilion
6:00 pm	Distribution of Dinner
Day 1 - November 28, 2023	
7:00 am	Assembly Time Venue: Pavilion Attire: SDO T-Shirts (EPS and Coaches) Formal Attire (Learners)
8:00 am	Opening Program <ol style="list-style-type: none"> Preliminaries – National Anthem - AVP Doxology – AVP Welcome Message – Dr. Maria Jesusa C. Despojo, CLMD Chief Shout Out Video (20 SDOs) – RSTF We are Ready! Message from the Assistant Regional Director- Atty Fiel Y. Almendra Promotional Video of the Sponsor – Vivant Foundations, Inc. Message from the Executive Director of Vivant Foundations Inc. – Mr Shem Jose Garcia Message from the Regional Director- Dr. Salustiano T. Jimenez Walk Through of the Program and Introduction of the BOJ – Dr. Bryant C. Acar, EPS Science Message of Encouragement from the RO7 NSTF 2022 Winners Formal Opening of the RSTF 2023 – Dr. Salustiano T. Jimenez.
9:00AM-10:00 AM	Cutting of Ribbon of the Research Poster Exhibits and Open House
10:00 AM - 6:00 PM	Start of the Competition <ol style="list-style-type: none"> Cluster 1 (Life Science) Venue: Executive Hall PMT: SDO Bogo (Judges) SDO Bais (Finalist) Cluster 2 (Physical Science) Venue: New Dining Hall PMT: SDO Tanjay (Judges) SDO Carcar (Finalist) Cluster 3 (Robotics & Intelligent Machines) Venue: Dining Annex



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	<p>PMT: SDO Cebu City (Judges) SDO Bayawan (Finalist)</p> <p>D. Cluster 4 (Math & Computational Science) Venue: Molave PMT: Math SDO Cebu Province Math SDO Danao</p> <p>E. Cluster 5 (Innovation Expo) Venue: Kamagong PMT: SDO Mandaue (Judges) SDO City of Naga (Finalist)</p> <p>F. Cluster 6 (Sibol SIP Elementary; Siyensikula & Digituro) Venue: Pavilion PMT: SDO Talisay (Judges) SDO Siquijor (Finalist)</p>
Day 2: November 29, 2023	
8:00 AM- 12:00 noon	<p>Preliminaries</p> <p>Announcement of Top 5 Finalists</p> <p>Final Presentation, Judging and Recommendations of Projects</p> <p>Venue: Same in Day 2 Clustering</p>
1:00-1:30 PM	<p>Final Deliberation with the Judges</p> <p>Venue: Executive Hall</p> <p>Participants: Judges and RO 7 EPS Science and Math</p>
1:30-3:30 PM	<p>Closing Program</p> <ol style="list-style-type: none"> I. Preliminaries – National Anthem - AVP Doxology – AVP II. Opening Remarks – Dr. Maria Jesusa C. Despojo, CLMD Chief III. Promotional Video of the Sponsor – Vivant Foundations, Inc. IV. Congratulatory Message – Mr. Jose Shem Garcia, CEO Vivant Foundations Inc. V. Congratulatory Message – Dr. Salustiano T. Jimenez, RO7 Regional Director VI. Announcement and Awarding of Winners: To Award: CLMD Chief, CEO of Vivant Foundations Inc, ARD and RD <ol style="list-style-type: none"> 1. Life Science – Chair of BOJ 2. Physical Science – Chair BOJ 3. Robotics & Intelligent Machines – Chair BOJ 4. Innovation Expo – Chair BOJ 5. Sibol, Siyensikula & Digituro – Chair BOJ VII. Closing Remarks – Mr. Cesar A. Restauro Jr, RO 7 EPS Science VIII. Close Door Meeting with the Regional First Place Winners with National Competition (Students, coaches, EPSs and Judge Mentors)

F. Regional SIP Poster

1. For the SIP Tuklas and Sibol Contests, since the photopaper for a poster size is expensive and the illustration board takes time to make and inconvenient to carry, the Regional Science Fair 2023 Poster Display shall be printed in a Tarpaulin with the following dimensions: 2.5 m high and 1m wide. All four corners of the Tarpaulin should have eyelet and must be tied in a plastic straw. All Tarpaulin Poster will be displayed in the designated hallway of Ecotech Center. The coaches are encouraged to recycle the Display Board as learning material.



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The following items should be seen in the project display: Title, Abstract, Background, Objectives, Significance, Methodology, Results and Discussion, Conclusion, Recommendations, Bibliography and if applicable, Photo Credits (including illustrations and graphics).

2. For consistency, the Innovation Expo Contest Display Board, the same format shall be used: Tarpaulin, with Dimension size 2.5 m high and 1 m wide. However, the content of the parts shall be the following: Title, Introduction, Problem Statement, Solution/Innovation, Features and Specifications, Materials and Methods, Results and Discussion, Benefits, Visuals, Conclusions, Future Development, Developer's Name.

G. Online Submission of Entries

1. Submission of Entries for screening shall be on the date and time specified in the Memorandum.

2. The submission shall be through a Google Drive and the link will be provided by the Regional EPS Science and EPS Math.

3. Only SDO EPS/Coordinators in Science and Math shall have control in the submission of SDO entries.

4. All entries must be placed on the designated folder provided in Google Drive.

5. Required Files for upload:

5.1 Siyensikula/Digituro

- a. Video entry (mp4 format)
- b. Word File of the script with contents: name of Division, School, Proponent, Title, Script in Narrative, References in CMS
- c. File name: Siyensikula_SDO or Digituro_SDO
Example: Siyensikula_MandaueCity or Digituro_DumagueteCity

5.2 Tuklas and Sibol

- a. PDF file of the Full Proposal paper; Times Roman; 12 font size
- b. PDF copy of the Prescribed Forms
- c. PDF Copy of the logbook
- d. Slide Decks (maximum of 12 slides, containing: Title page, Rationale, Problems/Objectives/Hypothesis, Methods, Tabular or Graphical Results including Pictures/Certifications; Conclusion); 18-24 Font size, Bookman old; using the provided slide decks-template.
- e. File name: Event_Category_Sub-Category_SDO
Example: Tuklas_Physical_Team_CanlaonCity
Sibol_CebuCity

H. Onsite Submission of Research Copies

1. All Qualified Entries/Regional Finalists must bring three hard copies of the full research/manuscript during the competition dates. These shall be given to the judges during Day 1 through the event in-charge (assigned EPS per category).



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I. Research/Video Presentation

1. The event in-charge shall introduce each team by reading the SDO, title, proponents, and coach.
2. The slide decks/video shall be controlled/managed by the coach/event manager using the laptop of the event in-charge. No other laptop shall be used. All slide decks/videos shall be based on the submitted entries found in Google Drive.
3. Each entry shall be given 15 minutes to present and 5 minutes for Q and A by a designated judge. One judge shall interpolate one entry only.

J. Final Round

1. This shall be held on the 2nd Day of the Competition.
2. Top 5 will be announced and shall present again on a format that will be decided by the board of judges. It can be any of the following formats: More of Q and A; scanning the prototype; or presentation of the research again.
3. Each Team/Entry shall be given 10 minutes only.

K. Recording of Winners

1. The event in-charge (for the judges) shall finalize the scoring and tally using the template.
2. Results should be signed by the judges and should be endorsed to the Tally team for recording.

L. Mentoring

1. All RSTF 2023 First Placers shall undergo mentoring to the designated Mentors and coaches.
2. A short meeting shall be done after the closing program.
3. All revisions and improvements shall be done before the final endorsement to the National level.
4. Mentoring shall be done in any convenient mode (virtual or face-to-face) agreed by the learners/coaches and the mentor.

Prepared by: **DR. BRYANT C. ACAR**
RO7 EPS/Science

Approved by: **DR. MARIA JESUSA C. DESPOJO**
CLMD Chief



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