



Republic of the Philippines  
**Department of Education**  
Region XI  
**SCHOOLS DIVISION OF DIGOS CITY**

**OFFICE OF THE SCHOOLS DIVISION SUPERINTENDENT**

**DIVISION MEMORANDUM**  
**No. 471, s. 2021**

August 9, 2021

**Regional Science and Technology Fair for School Year 2020-2021**

To: Education Program Supervisor (Science)  
Public Schools District Supervisors  
School Principals/Teachers-in-Charge  
Public Secondary Schools concerned

Attention: ELIZABETH R. BUERON, PI,  
Digos City National High School  
DATU ROGER A. MANAPOL, EDD, PIV  
Senior High School in Digos City

1. In reference to Regional Memorandum dated August 2, 2021, the field is informed of the conduct of the Regional Science and Technology Fair (RSTF) for School Year 2020-2021 with the theme “Agham, Pananaliksik at Teknolohiya: Kabalikat sa Matatag at Maunlad na Pamayanan” on August 16-19, 2021, via online platform.
2. The RSTF 2021 aims to develop among the youth resiliency, innovation and creativity amidst global crisis and showcase the learners’ competence in addressing community problems for sustainable development and maximize their potentials of being inquisitive and creative in dealing with real-life problems.
3. However, with the restrictions imposed due to the health crisis, the conduct of RSTF 2021 will adopt a different set of competition and guidelines. The activity will banner Siyensikula, an original video competition focusing on a science and engineering topic.
4. Participants to this activity are the winners in Siyensikula during the Division Science and Technology Fair 2021, to wit:

Name of Contestant	Coach	School
Marc Lawrence L. Abadia	Maricel A. Manceras	Digos City National HS
Jeannry Belle A. Besas	Maricel A. Manceras	Digos City National HS
Marianne Faith L. Maravillas	Jessie M. Balorio	SHS in Digos City





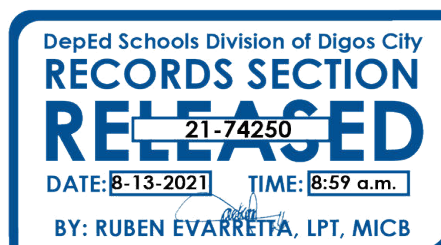
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5. As per timeline given, entries shall be submitted on August 13, 2021 through a link which shall be provided through the Division Education Program Supervisor in Science.
6. Teacher-participants are entitled to service credits for the services rendered during summer vacation. Such privilege is in accordance with DepEd Order No. 53, s. 2003 on "Updated Guidelines on Grant of Vacation Service Credits to Teachers."
7. For information, guidance, and compliance.

**CRISTY C. EPE**  
Schools Division Superintendent



Encls: Regional Memorandum dated August 2, 2021  
References: Regional Memorandum dated August 2, 2021  
To be indicated in the Perpetual Index under the following subjects  
CURRICULUM SCIENCE COMPETITIONS  
Ibj; Regional Science and Technology Fair (RSTF) for School Year 2020-2021  
9 August 2021



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Roxas Street cor. Lopez Jaena Street, Zone II, Digos City 8002  
☎ (082) 553-8396 | (082) 553-8376 | (082) 553-9170 | (082) 553-8375  
📠 (082) 553-8396 | (082) 553-8376  
🌐 www.depeddigoscity.org | ✉ digos.city@deped.gov.ph



Republic of the Philippines  
**Department of Education**  
DAVAO REGION

**Office of the Regional Director**

MEMORANDUM

To : Schools Division Superintendents

Subject: REGIONAL SCIENCE AND TECHNOLOGY  
FAIR FOR SCHOOL YEAR 2020-2021

Date : August 2, 2021

The Department of Education, Regional Office XI, through the Curriculum and Learning Management Division (CLMD), announces the conduct of the **Regional Science and Technology Fair (RSTF) for School Year (SY) 2020-2021** with the theme *Agham, Pananaliksik at Teknolohiya: Kabalikat sa Matatag at Maunlad na Pamayanan*. However, with the restriction imposed due to the health crisis, the conduct of the RSTF 2021 will adopt a different set of competition and guidelines.

This year's RSTF aims to develop among the youth resiliency, innovation, and creativity amidst global crisis and showcase the learners' competence in addressing community problems for sustainable development and maximize their potentials of being inquisitive and creative in dealing with real life problems.

The virtual RSTF 2021 will banner only *Siyensikula – an original video competition focusing on a science and engineering concepts, virtual exhibits, virtual fora, workshops, career talks, technology and project launching, and film showing. This activity will highlight different trends, innovative solutions, and new Science and Technology knowledge related to education, safety, health, disaster preparedness, and community development.*

Details of the activity are in the enclosures.

Teacher-participants are entitled to Service Credits for services rendered during summer vacation. Said privileges are in accordance with DepEd Order No. 53, s. 2003 on Updated Guidelines on Grant of Vacation Service Credits to Teachers.

This Office reiterates that a minimum health standard and safety protocols shall be observed for prevention and control of COVID-19.

Immediate and wide dissemination of this Memorandum is desired.

DEPARTMENT OF EDUCATION REGIONAL OFFICE XI  
ALLAN G. FARNAZO  
Director

Incl: As stated

RELIEVED

ROC/mtib

0821-4704

6.4.21 3:45 PM



Address: F. Torres St., Davao City (8000)  
Telephone Nos.: (082) 291-1665; (082) 221-6147





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Enclosure I

**SIYENSIKULA MECHANICS**

1. This competition is open to all Junior and Senior High School students from both Public and Private Schools in the country. Only **individual entries** are allowed.
2. The **participant** must discuss a difficult topic under Physical Sciences, Life Sciences, Mathematics or an Engineering concept in a clear, creative and engaging manner through a video presentation that is not more than three (3) minutes. The participant can discuss the topic in English and/or Filipino.
3. All contents in the video must be original and are owned by the participant. Entries may include personal experiences and thoughtful observations. Videos must reflect that the student has carefully examined and thought through the topic.
4. All creative visual tools such as animations, simulations, physical demonstrations, or visual aids are allowed. List and cite all of the resources used including but not limited to images, audio, video clips, books, articles, etc.. Use public domain sites for your references and resources. Entries with photos and videos which are derivative works will automatically be **disqualified**.
5. Each region may send a **maximum of three (3) official entries** to the National Siyensikula Competition. They should be properly endorsed by the Regional Director through an endorsement letter on or before the deadline of submission in the national level on August 23, 2021.
6. Entries must be submitted via email to **nstf@deped.gov.ph** not later than **August 23, 2021** with a subject format: "SIYENSIKULA\_REGION\_VideoTitle" (ex. SIYENSIKULA\_ROVIII\_Ligtas).
7. The email should include: (1) the name of the participant, (2) Youtube video link attachment of the video entry, and (3) a pdf file of the video script along with the references in Chicago Manual of Style. Non-submission of any of the required documents of the competition entry will automatically be disqualified.



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8. There will be three stages in the judging process:
  - a. **PEER-TO-PEER REVIEW (1<sup>st</sup> Stage)** - The Peer-to-Peer Review is the first phase of judging. Entries will be reviewed and scored by at least five (5) other contestants. The Peer-to-Peer review process is an educational experience and desires with good faith in providing an honest and sincere assessment of which aims at providing an honest and sincere assessment of the Peers' Entries. The contest committee will assign the peers who will review the entries of other contestants. The criteria for judging is found in *Enclosure No. 2*.
  - b. **POPULAR VOTE (2<sup>nd</sup> Stage)** - The Popular Vote invites the public to participate in the judging process for the ***Siyensikula*** through the official facebook page of the Department of Education. The Popular Vote Entry with the highest combined total of Likes, Shares and positive reactions (Like, Love, Haha, Wow) on the video's original post on the DepEd official Facebook page. The top-scoring Popular Vote Entry will receive a special recognition for this accomplishment.
  - c. **EVALUATION AND SELECTION COMMITTEE REVIEW (Final Stage)** - The Evaluation and Selection Committee will review and score all the video entries based on the criteria for judging found in *Enclosure No. 2*.
9. The evaluation results of the Evaluation and Selection Committee are **independent** with the results of the Peer to Peer Evaluation and Popular Vote.
10. The entry with the **highest score** in the Final stage shall be declared as Champion and will be given a medal and a certificate.
11. All the winning entries will receive certificates and will be posted in the official Facebook page of the National Science and Technology Fair and DepEd Philippines with the permission and proper acknowledgement of the creators/participants. Participants must submit a duly notarized Certification. (*Enclosure No. 4*)
12. This competition is inspired by the international breakthrough junior challenge. To have a greater grasp of the competition, the links of the previous



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winning entries of the breakthrough junior challenge are found in *Enclosure No. 5.*

Enclosure II

Siyensikula - Rubric Evaluation Tool						
Entry No.	Points					
	0	1	2	3	4	5
Engagem ent	Failed to establish engagemen t and did not hold viewer's attention.	Somewhat interesting but did not hold viewer's attention for the entire length of the video.	Fairly interesting and held viewer's attention for the entire length of the video.	Interesting and viewer felt engaged throughout the entire length of the video.	Very interesting and throughout the video, viewer was excited to see what would come next.	Captivating and made the viewer want to watch other vidcos made by the entrant.
Illuminati on	Failed to explain the subject matter clearly; video did not help viewer understand subject matter.	Expfanation was at times confusing and viewer was not able to understand much of the subject matter.	Explanatio n was fairly clear but covered only general concepts.	Explanation was clear and covered some topics beyond general concepts.	Explanatio n was very clear and covered many topics beyond general concepts.	Viewer was able to fully understand the explanation, and video provided a deep dive into the intricacies of the subject matter.



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Creativity	No elements of the video demonstrated a creative approach to explaining the subject matter.	The explanation was standard and contained one or two resourceful elements.	Parts of the video used creative approaches that made those parts of the explanation stronger.	Many parts of the video took an unorthodox approach to explaining the subject matter, which made the overall explanation stronger.	The entrant implemented a creative approach throughout the entire video that helped the viewer understand the subject matter.	Video provided an inventive approach that should be used to teach this subject matter.
Difficulty	Subject matter is typically covered at the elementary school level.	Subject matter is typically covered at the junior school level.	Subject matter is typically covered at the middle school level, but the video expands upon more complex areas of the subject matter.	Subject matter is typically covered at the high school level.	Subject matter is typically covered at the advanced high school level or early college level.	Subject matter is typically covered at the advanced college level or higher.
Total (Maximum of 20 points)						



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Enclosure III

**REGIONAL SCIENCE AND TECHNOLOGY FAIR TIMELINE**

Activity	Date and Schedule
Submission of Entries for the Regional Level Science and Technology Fair	August 13, 2021
Regional Level – Preliminary Screening of Entries	August 16-17, 2021
Regional Level – Final Screening of Entries	August 18, 2021
Regional Science and Technology Fair Culmination Program and Awarding Ceremony	August 19, 2021
Refinement and submission of Regional Entry to National Science and Technology Fair	August 20, 2021

**List of Management Team**  
**Virtual Regional Science and Technology Fair 2021**

Name	Designation	Number of Pax
Mary Jeanne B. Aldeguer	Chief, CLMD	1
QAD Chief / Representative	QATAME	1
Maria Liza I. Berandoy	Supervise/Manage	4
Manuel P. Vallejo	Supervise/Manage	1
Lou Jynne Masanguid	Online Controller	1
Joshua Wong	Online Controller	1
Eugene Dorado	Live Streaming Technical Director	1
Jessic Gabica	Video Editor/Video Playback	1
Maricel Bernal	Studio In-charge	1
Kris Carmelle Quimno	Production Assistant Director	1
Claide Kenneth Saludar	Technical Assistant Director	1
Rogar R. Garcia	Regional Scientific Review Committee	1
Jamaico C. Magayo	Regional Scientific Review Committee	1
Napdeo Natka E. Nafad	Regional Scientific Review Committee	1
Brylee B. Cadigal	Regional Scientific Review Committee	1
Jim Boy Pasia	Regional Scientific Review Committee	1
Sherwin Fortugaliza	Regional Scientific Review Committee	1
<b>TOTAL</b>		<b>20</b>



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**USEFUL RESOURCES FOR THE VARIOUS NSTF 2021 COMPETITIONS**

**SIYENSIKULA**

**Junior Breakthrough Challenge**

<https://breakthroughjuniorchallenge.org/>

**How to Upload Videos in Youtube**

<https://www.youtube.com/watch?v=b5qZJa5kFzM>

**Maryam Tsegaye, Canada, Physics, Winner: 2020 Breakthrough Junior Challenge**

<https://www.youtube.com/watch?v=vg2rnjZ19PY>

**Andrew Li, USA, Math, Finalist: 2020 Breakthrough Junior Challenge**

<https://www.youtube.com/watch?v=ZfvUPrNz4Q4>

**Tips for Breakthrough Junior Challenge | Q&A**

<https://www.youtube.com/watch?v=IqCMpePKGs4>

**Tips for Breakthrough Junior Challenge | Editing, Animation, and Style**

<https://www.youtube.com/watch?v=T7kLONPnXkQ>

**How to look for free photos, videos and animations:**

<https://creativecommons.org/licenses/>

**Other useful resources:**

<http://hillaryandales.com/bjresources/>