



Republic of the Philippines
Department of Education
CARAGA REGION



August 3, 2021

REGIONAL MEMORANDUM

No. 576, s. 2021

To: SCHOOLS DIVISION SUPERINTENDENTS
This Region

REGIONAL SCIENCE AND TECHNOLOGY FAIR 2021

1. The Department of Education (DepEd), through the Bureau of Curriculum Development (BCD), announces the conduct of the National Science and Technology Fair (NSTF) for School Year (SY) 2020-2021 on August 23 to September 3, 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 activity will adopt a different set of competition and guidelines.
2. This year's NSTF aims to develop among the youth **resiliency, innovation, and creativity amidst global crisis** through Siyensikula Competition. This Competition also aims to showcase competence of the learners in addressing community problems for sustainable development and to maximize their potentials of being inquisitive and creative in dealing with real life problems.
3. Given the timeline for NSTF, the **Regional Science and Technology Fair 2021** shall be conducted in the following timelines:
 - August 12, 2021 - Submission of Entries via YouTube uploading
 - August 12, 2021 - Orientation for Peer Evaluation and Committee Evaluation Review
 - August 13, 2021 - Judging via Peer Evaluation and Committee Evaluation
 - August 17, 2021 - RSTF 2021 (awarding of winners) via Facebook Live
 - August 18, 2021 - Cliniquing for NSTF 2021
 - August 19-20, 2021 - Revision of entries for NSTF 2021
 - August 21, 2021 - Final viewing of edited entries
 - August 23, 2021 - Submission of entries to NSTF 2021
4. Contest mechanics, rubric evaluation tool, certification on the originality of the video, and links for the useful resources are found in the Enclosures.
5. Tenth to sixth placers will receive certificates and tokens, fifth to first placers will receive plaques and tokens, and third to first placers will represent the region to the NSTF 2021. A People's Choice Award shall also be given to the video with the highest number of likes. The winner of this special award shall receive a plaque and a token.
6. The winners will be announced on August 17, 2021 during the Virtual RSTF 2021 at DepEd-Caraga Facebook Page. This virtual event will also highlight the lecture of Dr. Maria Luisa B. Salingay of the University of Science and Technology



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of Southern Philippines on her topic on how learners can address environmental and community problems through Science and Research.

7. Schools Division Offices may conduct a division screening where expenses relative thereto are chargeable against local funds subject to usual accounting and auditing rules and regulations.

8. Immediate dissemination of this Memorandum to all concerned is highly desired.


EVELYN R. FETALVERO, CESO IV
Director IV 

Encls.: As stated.

Reference: Approved Activity Proposal
To be indicated in the Perpetual Index
under the following subjects:

CONTEST

SCIENCE FAIR

SIYENSIKULA

CLM/khzs
08/03/2021

SIYENSIKULA MECHANICS

1. This competition is open to all Junior and Senior High School students from both Public and Private Schools in the region. 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 Schools Division Office may send a **maximum of three (3) official entries** to the Regional Siyensikula Competition. They should be properly endorsed by the Schools Division Office through an endorsement letter containing the YouTube link where these videos can be accessed on or before August 12, 2021. Late submission will no longer be accepted.
6. The endorsement containing the YouTube links of the videos shall be submitted to caraga.deped.gov.ph COPY FURNISHED to kevinhope.salvana@deped.gov.ph with a subject format: "SIYENSIKULA_DIVISION_VideoTitle" (ex. SIYENSIKULA_SIARGAO_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.
8. There will be three stages in the judging process:
 - a. **PEER-TO-PEER REVIEW (1st Stage)** - The Peer-to-Peer Review is the first phase of judging. Entries will be reviewed and scored by the 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 the Peers' Entries. The contest committee will provide an Excel file containing scoring sheet. The criteria for judging is found in Enclosure No. 2.

- b. **POPULAR VOTE (2nd 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 Caraga Region. 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-Caraga's 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. The EPSs/Division Coordinators in Science together with Mr. Bernabe L. Linog, Chairman of the Committee Review, will comprise the committee. A member from the evaluation committee shall inhibit from judging their Division's entries.
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 DepEd-Caraga 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 winning entries of the breakthrough junior challenge are found in Enclosure No. 5.

(Enclosure No. 2 to Regional Memorandum No. 576, s. 2021)

Siyensikula - Rubric Evaluation Tool						
Entry No.						
Criteria	Points					
	0	1	2	3	4	5
Engagement	Failed to establish engagement 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 videos made by the entrant.
Illumination	Failed to explain the subject matter clearly; video did not help viewer understand subject matter.	Explanation was at times confusing and viewer was not able to understand much of the subject matter.	Explanation was fairly clear but covered only general concepts.	Explanation was clear and covered some topics beyond general concepts.	Explanation 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.
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)						

CERTIFICATION

KNOWN ALL MEN BY THESE PRESENTS:

That I/We _____ of _____ writer/s in the _____ hereby certify that our entry is of our own, and is new and original to the best of our knowledge. I/We further certify that we give our permission for DepEd – Bureau of Curriculum Development to share the said Videos as supplemental learning materials to be used in the classrooms.

IN WITNESS WHEREOF, I/We have hereunto set our hands on this _____ day of _____, 2021 at _____.

Witness

Witness

SUBSCRIBED AND SWORN TO before me this _____ day of _____ 2021, at _____, Philippines, affiant _____, exhibiting his proof of identity as above stated.

Doc. No.: _____
Page No.: _____
Book No.: _____
Series of 2021

Note: Please submit this form together with your entries on or before the Deadline of submission.

(Enclosure No. 4 to Regional Memorandum No. 576, s. 2021)

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=b5oZJa5kFzM>

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=ZfvUPrNz4O4>

Tips for Breakthrough Junior Challenge | Q&A

<https://www.youtube.com/watch?v=IqCMpePKG4>

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

<https://www.youtube.com/watch?v=T7kL0NPnXkQ>

How to look for free photos, videos and animations:

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

Other useful resources:

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