



Republic of the Philippines  
**Department of Education**  
REGION X – NORTHERN MINDANAO  
SCHOOLS DIVISION OF EL SALVADOR CITY

15 June 2021

DIVISION MEMORANDUM  
No. 228, s. 2021

**CONDUCT OF SCHOOL SCIENCE TECHNOLOGY FAIR**

To: **CID and SGOD Chiefs**  
**All Public Elementary and Secondary School Heads**  
**All Teaching Personnel**  
**All Other Concerns**

1. The theme for this year **School Technological Science Fair (SSTF)** is “*Agham, Pananaliksik at Teknolohiya: Kabalikat sa Matatag at Maunlad na Pamayanan*” shall be conducted from June 21 to 25, 2021. This year’s theme is to showcase learners’ resiliency, innovation, and creativity amidst global crisis through virtual Science fair and competitions.
2. The 2021 SSTF will be of virtual Science Fair Competitions. The proposed school activities shall be (1) Siyensikula - a production of original video competition focusing on a science concept; (2) SciTokperiments – A Tiktok Science Experiment Competition; (3) Digital Poster Making Contest (4) Research Presentations; and (5) Search for a Science Explorer.
3. Strict adherence to national and local IATF protocols must be observed in all levels of competitions, such as but not limited to wearing of facemasks and face shields by all participants and members of Technical Working Committee. Learners shall work remotely and collaboratively using online platforms. Submission of narrative report with pictures shall be sent to [mariejade.cacayan@deped.gov.ph](mailto:mariejade.cacayan@deped.gov.ph) not later than July 1, 2021.
4. This Office shall adhere to Equal Opportunity Principle (EOP) in the conduct of School Science Fair Competetion. Hence, all decisions and actions shall be based on guidelines set forth, with no discrimination on the account of age, gender, identity, sexual orientation, civil status, disability, religion, ethnicity or political affiliation.
5. Immediate and wide dissemination of this memorandum is desired.

**OLGA C. ALONSABE, PhD., CESE**  
Asst. Schools Division Superintendent  
OIC-Office of the Schools Division Superintendent

Atch: As Stated  
To be indicated in the Perpetual Index  
under the following subjects  
Science





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Enclosure No. 1 to Division Memorandum 228 s. 2021

**CONTEST GUIDELINES**

**SIYENSIKULA**

1. Open for all Junior and Senior High School Students both from private and public schools
2. Individual entries are allowed to strictly adhere to public minimum health standards.
3. Topics to be discussed Physical Sciences, Life Sciences, Mathematics, or an Engineering concept in a clear, creative, and engaging manner.
4. The participant can discuss the topic in English and/ or Filipino language.
5. The video shall not be more than 3 minutes.
6. All contents in the video must be original and are owned by the participant.
7. The entries should include: (1) name of the participant (2) Youtube video link attached of the video entry and (3) a pdf file of the video script along with the reference in Chicago Manual of Style.
8. All resources used shall be acknowledged including but not limited to images, audio, video clips, books, articles, and so on. Use public domain sites for your graphics and audio needs.
9. The Evaluation and Selection Committee will review and score all the video entries based on the criteria for judging. The entry with the highest percentage shall be declared as winner and shall represent the school to the division in the National Science Technology Fair

<b>Activity</b>	<b>Date/Schedule</b>
<i>Submission of Entries for the National Level Science and Technology Fair</i>	<i>August 6, 2021</i>
<i>National Level - Preliminary Screening of Entries</i>	<i>August 9 - 13, 2021</i>
<i>National Science and Technology Fair Culmination Program and Awarding Ceremony</i>	<i>August 16 - 19, 2021</i>

**SIYENSIKULA - CRITERIA**

<b>Criteria</b>	<b>Points</b>
<b>Engagement</b> (Captivating and made the viewer want to watch another video made by the entrant)	25
<b>Illumination</b> (Viewer was able to fully understand the explanation and video provided a deep dive into the intricacies of the subject matter)	25
<b>Creativity</b> (Video provided an inventive approach that should be used to teach this subject matter)	25
<b>Difficulty</b> (Subject matter is typically covered at the high school level or beyond.)	25
<b>Total</b>	<b>100%</b>







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**SciTokPeriments – A Tiktok Science Experiment Competition**

1. This competition is open to all Junior and Senior High School students from both Public and Private Schools.
2. There will be two categories (a) Junior High School (b) Senior High School. The video entry should feature only one (1) Tiktok user.
3. The participant must design an experiment proving or applying a Scientific concept, theory or law in a cheerful, lively and creative manner through a Tiktok video that is not more than one (1) minute.
4. The participant can explain the topic/concept in English or Filipino.
5. The Tiktok Video must use the hashtags #SCITOKPERIMENTS and #DSTF2021 in uploading the video entry in Tiktok.
6. All contents and audio in the TikTok video must be original and are owned by the participant. All creative visual tools such as animations, simulations, physical demonstrations, or visual aids are allowed.

The SciTokPeriments Video will be judged according to the following criteria:

Criteria	Percentage
Creativity	25%
Delivery/Execution	35%
Accuracy of Content	40%
<b>Total</b>	<b>100%</b>

**DIGITAL POSTER MAKING CONTEST - MECHANICS**

1. Each school must have only one (1) official representative in each category for the digital poster making contest.
2. There will be three categories (a) Elementary (b) Junior High School (c) Senior High School.
3. The contestant must illustrate, interpret, emphasize, and expound on the NSTF 2021 theme in a 1/8 illustration board using oil pastel.
4. The finished posters must be submitted in 8.5x11 inches (300 DPI) in size. The poster entries must be submitted in JPEG/PNG format.
5. A time-lapsed recorded video of the participant drawing the poster together with the digital poster must be submitted on or before June 23, 2021. Non-compliance will result in automatic disqualification.





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**POSTER MAKING CONTEST - CRITERIA**

<b>Criteria</b>	<b>Points</b>
Visual Impact and Color Harmony	35
Originality	15
Creativity	20
Relevance to the Theme	30
Total	100%

**SCIENCE RESEARCH/ CAPSTONE**

1. Open to all Junior High Schools and Senior High School learners.
2. Each school shall accomplish this as official entry indicating the name of the learner to participate.

<b>Category for investigatory project or research</b>	<b>Individual-1 participant</b>	<b>Group -(2) participants</b>
Robotics		
Innovation		
Life science		
Physical science		

**CRITERIA FOR JUDGING THE SCIENCE RESEARCH/ CAPSTONE  
(JHS/ SHS Level)**

- A. Science Thought and Engineering Goals** **30%**
1. Scientific Thought
    - a. Brief and clear statement of the problem
    - b. Well defined procedure
  2. Engineering Goal is
    - a. Clear and relevant objective/s
    - b. Economically feasible solutions
- B. Potential Contribution / practical value  
Creative, Resourcefulness and Inventiveness** **30%**
1. Creative ability in presenting the problem/in the approach to solve the problem
  2. Innovative design / new idea shown
- C. Intelligence and imagination in finding ways/  
means to undertake the project Thoroughness** **15%**
1. Familiarity with scientific literature in the relative field
  2. Awareness of either approaches or theories
  3. Appropriateness of methodology





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**D. Research Skill** **15%**

1. Use of laboratory equipment/ innovative resources.

**E. Appropriate, orderly and effective Presentation of data**

**Oral Presentation Skills** **10%**

1. Clear and through discussion of the project
2. Clarity and conciseness of explanation pertaining to important aspects of the research presented.
3. Overall personality (self confidence and enthusiasm)

**Science Explorer**

1. Open to Elementary learners only.
2. It may be a individual or up to a three members regardless of their grade level as long as they are related and they live in one household to practice minimum health standard.
3. The video shall not be more than 5 minutes explaining environmental issues.

**Criteria for Judging**

Conservation of the environment	25
Science and technology Innovations for the Environment	35
Originality	15
Impact	25
TOTAL	100%

CID/ jac

