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

OFFICE OF THE SCHOOLS DIVISION SUPERINTENDENT

DIVISION MEMORANDUM
No. 295, s. 2021

May 25, 2021

National Science and Technology Fair 2021

To: Education Program Supervisor - Science
Public Schools District Supervisors
School Principals/Teachers-in-Charge
Public Elementary and Secondary Schools

1. The Department of Education Digos City Division, through the Curriculum Implementation Division (CID) will conduct the Division Science and Technology Fair (DSTF) for School Year 2020-2021 on June 2,3 & 7, 2021, through an online platform. The activity is anchored on the theme, "Agham, Pananaliksik, at Teknolohiya: Kabaliklat sa Matatag at Maunlad na Pamayana."
2. The DSTF 2021 aims to: (a) develop among the youth resiliency, innovation and creativity amidst global crisis, (b) showcase competence of the learners in addressing community problems for sustainable development, and (c) maximize the learners' potentials of being inquisitive and creative in dealing with real life problems.
3. The DSTF 2021 will consist of a virtual competition of the following events: (a) Siyensikula – a production of original video focusing on a science concept, (b) Poster Making Contest, (c) Jingle Making Contest, and (d) #Scitokperiments – a Tiktok Science Experiments Competition.
4. Registration of participants and submission of entries starts and culminates on May 28, 2021 and May 30, 2021, respectively, through Google Form with the link: <https://forms.gle/3AeoYyxqBXQVPeNNA>.
5. Strict adherence to national and Local IATF protocols must be observed by all participants and members of the Technical Working Committee in the conduct of the activity.
6. Details of the competition are found in the enclosures.
7. For information, guidance and compliance.

CRISTY C. EPE
Schools Division Superintendent

Encls: Timelines, Contest Mechanics and Criteria for Judging and TWG
References:
To be indicated in the Perpetual Index under the following subjects
CURRICULUM SCIENCE COMPETITIONS
Ibj: National Science and Technology Fair 2021
25 May 2021

DepEd Schools Division Office of Digos City
OFFICE OF THE SUPERINTENDENT
72046
DATE: MAY 26 2021 TIME: 10:59
BY:



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



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Enclosure No. 1 to Division Memorandum No. 295 s.2021

Division Science and Technology 2021 Timeline of Activities

Date and time	Activities	Modality/Venue	Persons Involved	Expected Output
May 1-27, 2021	Preparation of Logistics for the Competition	Online/ Messaging/ Face-to-Face, DICNHS	TWG, EPS- Science	Google Form, Certificates, Program, Judging sheets and Memorandum
May 28-30, 2021	Submission of Entries via Google Form	Online	Participants and TWG	Registry of Participants and Compilation of Entries
May 31- June 3, 2021	Preparation for the Opening Program	Online/ Messaging/ Face-to-Face, DICNHS	TWG, EPS- Science	Powerpoint presentation of the opening program and compilation of entries by event for presentation
June 3, 2021 2:00 p.m.	Opening Program	Online	TWG, Judges, EPS- Science, Participants and coaches	Live steaming of the event
June 4, 2021 8:00 a.m. – 5:00 p.m.	Screening, Evaluation and judging of Entries	Face-to-Face, DICNHS	TWG, Judges, EPS- Science,	Results of Judging
June 7-8, 2021	Preparation for the Awarding and Closing program	Online/ Messaging/ Face-to-Face, DICNHS	TWG, EPS- Science	Powerpoint presentation of the closing program and compilation of winning entries for awarding
June 8, 2021 2:00 p.m.	Awarding and Closing Program	Online	TWG, Judges, EPS- Science, Participants and coaches	Live streaming of awarding and closing program

Prepared by:


LUZMINDA B. JASMIN
EPS-Science



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Enclosure No. 2 to Division Memorandum No. 295 s.2021

Guidelines, Mechanics and Criteria for Judging

The Division Science and Technology Fair 2021 will consist of a virtual competition of the following events: (a) Siyensikula - a production of original video competition focusing on a science concept, (b) Poster Making Contest, (c) Jingle Making Contest, and (d) #SciTokperiments - A Tiktok Science Experiment Competition.

A. SIYENSIKULA

1. This competition is open to all Junior and Senior High School students. A maximum of three students may collaborate on a single video entry.
2. The participant/s 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 participants can discuss the topic in English and/or Filipino.
3. The Secondary School District may submit a maximum of 5 entries.
4. All contents in the video must be original and are owned by the participant/s. Entries may include personal experiences and thoughtful observations. Videos must reflect that the student has carefully examined and thought through the topic
5. All creative visual tools such as animations, simulations, physical demonstrations, or visual aids are allowed. Entries with photos and videos which are derivative works will automatically be disqualified.
6. Entries must be submitted via Google Form with a subject format:" SIYENSIKULA_Video title" (ex. SIYENSIKULA_Ligtas).
7. A pdf file of the video script along with the references in Chicago Manual of Style shall be submitted with the video entry. Non-submission of any of the required documents of the competition entry will automatically be disqualified
8. The board of Judges will review and score all the video entries based on the criteria for judging. Top three winners will be declared. Decision of the Judges is final.

Criteria for Judging:

1. Engagement	- 25%
2. Illumination	- 25%
3. Creativity	- 25%
4. Difficulty	- 25%
Total	100%

B. POSTER MAKING CONTEST

1. There will three categories (a) Elementary (b) Junior High School (c) Senior High School.
2. Each District of elementary Schools may submit a maximum of three (3) entries, while the Secondary schools district may submit a maximum of 5 entries for each category.
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/PSD format.



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5. The final output of each contestant must be submitted via Google form with a subject format: "POSTER__Category" (ex. POSTER_ ELEM).
6. A time-lapsed recorded video of the participant drawing the poster must be submitted. Non-compliance will result in automatic disqualification.
7. The poster must be an original design. The contestant will be held accountable to any issues that may arise with regard to the originality and authenticity of the design.
8. The Board of Judges will evaluate and score the poster entries based on the criteria for judging. Top three (3) winners will be declared in each category. Decision of the Judges is final.

Criteria for Judging:

Visual Impact and Color Harmony	25%
Originality	25%
Creativity	20%
Relevance to the theme	30%
Total	100%

C. JINGLE MAKING CONTEST

1. The contest is open to all pupils/students from elementary and secondary schools.
2. Can be an individual, a pair or a group of three (3) members. Collaboration of the participants and coaching may be done remotely such as but not limited to online meetings, email messaging and all available online collaboration platforms.
3. Elementary school districts may submit a maximum of three (3) entries, while the secondary school district may submit a maximum of 5 entries.
4. The jingle must be an original composition and must not have been used as entry in any song competitions.
5. The content of the jingle must be lively, appealing, creative and must highlight the vision and mission of the National Science Fair.
6. Any musical instrument can be used as accompaniment at the composer's discretion.
7. The jingle must be in mp3 format. Length of Jingle should not be more than three (3) minutes inclusive of intro and outro-music.
8. Jingle Entries together with a brief write up of the entry's inspiration and origin must be submitted via Google Form with a subject format: "JINGLE_Title".
9. Entries may be written in English or Filipino.
9. The board of judges will evaluate and score the jingle entries based on the criteria for judging. Top three (3) winners will be declared. Decision of the Judges is final.

Criteria for Judging:

Originality (Creativity, use of Structure)	-30%
Musicality (Catchy melody, lively music, arrangement, rhythm and recall)	-30%
Relevance to the Vision, Mission of NSTF (Content, substance, organization, clarity of message)	-30%
Appeal/Impact	-10%
Total	100%



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D. SCITOKPERIMENTS

1. This competition is open to all Junior and Senior High School students.
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 secondary school district may submit a maximum of 5 entries for each category.
4. 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.
5. The participant can explain the topic/concept in English or Filipino.
6. All contents and audio in the Tiktok video must be original and are owned by the participant/s. All creative visual tools such as animations, simulations, physical demonstrations, or visual aids are allowed. The contestant will be held accountable to any issues that may arise with regard to the originality and accuracy of the content.
7. The following TikTok video format are highly recommended:
 - File size: The video should be up to 287.6 MB in size for iOS, or 72 MB on Android.
 - Orientation: TikTok is formatted to be viewed on a smartphone, so vertical video is best.
 - Dimensions: TikTok video dimensions should be 1080×1920.
 - Aspect ratio: The aspect ratio should be that of a standard smartphone screen, 9:16.
1:1 is also possible, but it won't take up the whole screen.
 - File type: TikTok supports .mp4 and .mov files.
8. A pdf file of the video script along with the references in Chicago Manual of Style must be submitted with the Tiktok video entries. Non-submission of any of the required documents of the competition entry will automatically be disqualified.
9. Entries must be submitted via Google Form with a subject format: "SCITOKEXPERIMENTS_Title"
10. The Division STF Technical Working Committee reserves the right to remove, reject, or disqualify any entry if it, (a) violates the terms of service and privacy policy of Tiktok, and (b) infringes, misappropriates, or violates any rights of any third party including, without limitation, patent, copyright, trademark or right of privacy or publicity.
10. The Board of Judges will evaluate and score the Tiktok video entries based on the criteria for judging. Top three (3) winners will be declared. Decision of the Judges is final.

Criteria for Judging:

Creativity	25%
Delivery	25%
Accuracy of Content	40%
Engagement	10%
Total	100%



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Siyensikula – Rubric Evaluation Tool						
Criteria	Points					
	0	1	2	3	4	5
Engage-ment	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.
Illumina-tion	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 (20 points)						



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Enclosure No. 3 to Division Memorandum No. _____s.2021

Technical Working Committee

Technical Working Group/ICT Support Team

Chairperson: Luzminda B. Jasmin

Members:

1. Rica Datoc – DICNHS
2. Floradel Manapol – DICNHS
3. Eileen Artiaga – DICNHS
4. Thonver Sampaga- Kapatagan NHS

Judges

I. Siyensikula and SciTokperiments

1. Johannes P. Sabio
2. Marlou G. Samontina
3. Jay Mark Alocelja


II. Poster Making Contest -

1. Melvin Anthony A. Sabio
2. Merian E. Estrada
3. Jayson Abellon

III. Jingle Writing Contest and SciTokperiments

1. Jay Orsorno
2. Jeriel Caminade
3. Marvin Louie E. Nulmasa

Prepared by:


LUZMINDA B. JASMIN
EPS-Science



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