



Republic of the Philippines
Department of Education
REGION IV-A CALABARZON
GATE 2, KARANGALAN VILLAGE
1900 CAINTA, RIZAL



Regional Memorandum

REGIONAL SCIENCE AND TECHNOLOGY FAIR 2020-2021 – SIYENSIKULA

To : **Schools Division Superintendents**

1. In relation to the conduct of National Science and technology Fair for School Year 2020-2021, this Region announces the conduct of Regional Siyensikula Competition on July 19-23, 2021 .
2. The ultimate goal of the abovementioned activity is to improve learning outcomes through the development of self-directed multimedia supplementary learning materials for Science and Technology.
3. Mechanics in this competition are listed in Enclosure 1.
4. For questions and clarifications, you may contact **JOB S. ZAPE, JR.** Chief of the CLMD and/or **EUGENE RAY F. SANTOS**, Education Program Supervisor at +63 917-888-5871 or (02) 647-7487 loc. 420.
5. Immediate and widest dissemination of this Memorandum is desired.


FRANCIS CESAR B. BRINGAS
Regional Director

clmd/erfs



"EXCELLENCE is a CULTURE and QUALITY is a COMMITMENT"

Trunkline: 02-8682-5773 / 8684-4914 / 8647-7487 local 420

Website: depedcalabarzon.ph

Document Inquiry : <https://r4a-teadoc.com/inquire>

Facebook: DepEd R-4A Calabarzon

Enclosure 1

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 division may send a **maximum of three (3) official entries**. They should be properly endorsed by the Schools Division Superintendent through an endorsement letter on or before the deadline of submission on **July 25, 2021**.
6. Participating SDO's shall upload the entries in one (1) **Google Drive Folder** with the following subfolders for Junior High School and Senior High School with the following label: ("JHS/SHS_SIYENSIKULA_SDO")

Examples:

JHS_SIYENSIKULA_SDORizal
SHS_SIYENSIKULA_SDORizal

7. The Google Drive Folder/link containing the entries must be shared to **clmd.calabarzon@deped.gov.ph** not later than **July 25, 2021**. File name of shall bear the format: "JHS/SHS_SIYENSIKULA_SDO_VideoTitle"

Examples:

JHS_SIYENSIKULA_SDORizal_Pagbabago
SHS_SIYENSIKULA_SDOAntipolo_Pagbangon

8. Participating SDO shall send an email including: (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.

9. There will be at least three (3) judges for Junior High School (JHS) and three (3) judges for Senior High School (SHS) who will serve as **EVALUATION AND SELECTION COMMITTEE REVIEW** who will review and score all the video entries based on the criteria for judging found in *Enclosure No. 2*.
10. The evaluation results of the Evaluation and Selection Committee is final and irrevocable.
11. The entry with the **Top three (3) highest score** will be declared as First Place, Second Place and Third Place respectively. They shall represent the Region in the National Level competition. Winners will be given a medal and a certificate.
12. All the winning entries will receive certificates and will be posted in the official Facebook page of the DepEd CALABARZON and Curriculum and Learning Management Division with the permission and proper acknowledgement of the creators/participants. Participants must submit a duly notarized Certification. (*Enclosure 4*)
13. 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 2

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)						

Enclosure 3

REGIONAL SCIENCE AND TECHNOLOGY FAIR – SIYENSIKULA TIMELINE

Activity	Date/Schedule
Submission of Entries for the Regional Level Science and Technology Fair	July 25, 2021
Regional Level - Preliminary Screening of Entries	July 26 - 29, 2021
Announcement of Winners and Regional Representatives for National Science and Technology Fair	August 02, 2021

NATIONAL SCIENCE AND TECHNOLOGY FAIR TIMELINE

Activity	Date/Schedule
Submission of Entries for the National Level Science and Technology Fair	August 10, 2021
National Level - Preliminary Screening of Entries	August 11 - 13, 2021
National Science and Technology Fair Culmination Program and Awarding Ceremony	August 16 - 19, 2021

Enclosure 4

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 CALABARZON and Curriculum and Learning Management Division (CLMD) 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 5

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=lqCMpePKGs4>

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/bjcreources/>