



Republic of the Philippines  
**Department of Education**  
REGION VIII - EASTERN VISAYAS

August 11, 2021

**REGIONAL MEMORANDUM**

No. **008440** s. 2021

**VIRTUAL 2021 REGIONAL SCIENCE, TECHNOLOGY, AND MATHEMATICS FAIR (RSTMF)**

To: Schools Division Superintendents  
School Heads  
All Others Concerned

1. Relative to DepEd Memorandum No. 53, s. 2021, re: National Science and Technology Fair (NSTF) for School Year 2020 – 2021, this Office, through the Curriculum and Learning Management Division, announces the conduct of the Virtual 2021 Regional Science, Technology, and Mathematics Fair (RSTMF), dubbed as *PaSCIdungog han MATHkarit*, with the theme "*Agham, Pananaliksik at Teknolohiya: Kabalik at Matatag at Maunlad na Pamayanan*" on **August 12 – 20, 2021**, with the awarding ceremony on **August 20, 2021**, hosted by Ormoc City Division.

2. This year's RSTMF aims to:

- promote Science, Technology, and Mathematics consciousness;
- recognize learner-achievers in the field of Science, Technology, Engineering, and Mathematics;
- develop among the youth resiliency, innovation, and creativity amidst global crisis; and
- 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. In line with the NSTF 2021 and with the restriction imposed due to the health crisis, the conduct of the 2021 RSTMF will adopt a different set of competition and guidelines. This will be held using online platform in coordination with the host division office and partners. The Virtual RSTMF will banner *Siyensikula* - an original video competition focusing on science, mathematics, and engineering concepts. The activity will highlight different trends, innovative solutions, and new Science and Technology knowledge related to education, safety, health, disaster preparedness, and community development. Likewise, Certificate of Recognition will be awarded to the learner-achievers who have displayed outstanding accomplishments, such as winning in national and international competitions, to include those recognized by accredited organizations in the field of Science, Technology, and Mathematics.



4. The Schools, Districts, and Divisions may conduct their own selection screening process for their entries and participants to the RSTMF. Participation in the school, district, and division, and regional Science, Technology, and Mathematics Fair is voluntary.
5. The competition (*Siyensikula*) is open to all Junior and Senior High School learners from both Public and Private Schools. Only individual entries are allowed as indorsed by the Schools Division Superintendents. (See the attached mechanics for the details.)
6. The virtual RSTMF is open for public. However, there shall only be two (2) official participants or entries to the contest from each division and the Regional Science High School. Substitutes to the contest shall not be allowed.
7. The concerned Schools Division Superintendents shall indorse the official entries and achievers and send it through email at [clmd.region8@deped.gov.ph](mailto:clmd.region8@deped.gov.ph) on or before **August 14, 2021**. The Eastern Visayas Regional Science High School entries must be separately indorsed by the SDO Catbalogan City.
8. The documents required for submission also include the following which shall be placed in a Drive, together with the copy of the video entry, and shared to [clmd.region8@deped.gov.ph](mailto:clmd.region8@deped.gov.ph) and [ryan.tiu@deped.gov.ph](mailto:ryan.tiu@deped.gov.ph) :
  - a) List of Official Entries (see attached template);
  - b) Name of the participant, video title, and YouTube video link attachment of the video entry;
  - c) A signed pdf file of the video script along with the References in Chicago Manual of Style; and
  - d) Certification of content originality and permission for use as learning resource.
9. Non-submission of any of the required documents of the competition entry will automatically mean disqualification.
10. The RSTMF will also recognize the learners' meritorious achievements in the STMF field. In this regard, the SDOs must submit the List of Learner-Achievers (Word and PPT formats).
11. The specific guidelines for the conduct of the RSTMF, *Siyensikula* Mechanics, Program of Activities, List of Regional Management Team (RMT), Technical Working Group (TWG), Budget Matrix, Waiver and Certification, List of Official Entries, and other related documents can be found in the attached enclosures.
12. The link to the virtual 2021 RSTMF and the official posting of entries will be given through another issuance.
13. A planning conference with the Regional and Division Education Program Supervisors for Mathematics and Science will be held on August 11, 2021 to discuss preparations relative

to the conduct of the 2021 RSTMF. The meeting link will be shared through the group's Messenger.

14. Strict adherence to National and local IATF protocols must be observed in all levels of the competition such as, but not limited to the mandatory wearing of mask and face shield by all participants and members of the Technical Working Committee.

15. The technical management team and working groups and the participants involved in this activity who shall render services, report for duty, or accomplish work beyond office hours such as on weekends, school year vacation, or holidays in the exigency of service shall earn service credits subject to the existing and applicable rules and regulations.

16. There shall be NO registration fee. The expenses related to the conduct of the RSTMF 2021 such as communication allowance, prizes and awards, food, contest and advocacy materials, and honoraria of members of the Screening Committee, Board of Judges, and external or non-DepEd resource persons shall be charged to the downloaded fund (OSEC-8-21-1912), with an amount of Seventy Thousand Pesos (Php 70,000.00), which shall be further transferred to the SDO of Ormoc City, while the contest-related expenses of the participants to Local/School/Division funds or other sources subject to the usual accounting and auditing rules and regulations.

17. For more information, all concerned may contact Ryan R. Tiu, EPS (Science), or Sarah S. Cabaluna, EPS (Mathematics), at [clmd.region8@deped.gov.ph](mailto:clmd.region8@deped.gov.ph).

18. Immediate dissemination of and compliance with this Memorandum are desired.

  
**MA. GEMMA MERCADO LEDESMA**  
Regional Director

Enclosures: As stated

References: As stated

To be indicated in the Perpetual Index under the following subjects:

FAIR                      MATHEMATICS                      RSTMF                      SCIENCE                      TECHNOLOGY  
CLMD-RRT



Enclosure 1 to the Regional Memorandum No. 440, s. 2021

**Regional Management Team (RMT)**

Chairman: Ma. Gemma Mercado Ledesma – Regional Director  
Vice-Chairman: Bebiano I. Sentillas – SDS, OIC-Office of the Director III  
Members: Rosemarie M. Guino – OIC-Chief, CLMD  
Ryan R. Tiu – EPS, CLMD  
Sarah S. Cabaluna - EPS, CLMD  
Joy B. Bihag – EPS, CLMD  
Nova P. Jorge - EPS, CLMD  
Alfredo P. Café - EPS, CLMD  
Dandy G. Acuin – EPS, CLMD  
Amenia C. Aspa - EPS, CLMD  
Dean Ric M. Endriano - EPS, CLMD  
Gertrudes C. Mabutin, EPS, CLMD  
Albert Jim Lagado, ITO, ICTU  
Jasmin F. Calzita – PDO, PAU  
Floramay Bacus – PDO, PAU

Technical Working Group:

- 1) Registration and Documents Management Committee  
Chair: Sarah S. Cabaluna  
Members: Ryan R. Tiu with ICTU and PAU personnel
- 2) Program, Documentation, and Logistics Committee  
Chair: Juliet B. Montebon  
Co-chair: Hazel L. Maraviles  
Members: Ryan R. Tiu, Sarah S. Cabaluna  
SDO Ormoc City members
- 3) Results, Awards, and Certificates Committee  
Chair: Ryan R. Tiu  
Members: Sarah S. Cabaluna and CLMD personnel  
Juliet B. Montebon  
Hazel L. Maraviles  
SDO Ormoc City members

\*Host SDO Special Committees:

Secretariat	Invitation & Communication
Program Management	Finance Procurement
Health Safety & Sanitation	

*Enclosure No. 2*

**Terms of Reference**

- 1) Registration and Documents Management Committee
  - Ensures the smooth and systematic enlistment of learners, advisers, and guests
  - Ensures that participants' registration and attendance form links are provided
  - Coordinates with the program lead to provide a complete and exact registered number of participants and their confirmation letter.
  - Ensures that BOJ are oriented of their tasks and provides the judging forms
  - Coordinates the needs and concerns of BOJ
  - Secures all score sheets and manuscripts
  - Assists the judges until the final deliberation
  - Tabulates the scores of all judges per category
  - Ensures accurate and timely results submission
- 2) Program, Documentation, and Logistics Committee
  - Provide online programs and advocacy materials
  - Ensures that virtual platform is prepared and managed for the activity
  - Designs the setup of virtual platform
  - Ensures that the AVP for introduction of BOJs are prepared
  - Create video presentation and other pictorial documentation on the conduct of the activity
  - Ensures that all needed facilities are available and functioning well
  - Makes arrangement for the meals for the whole duration of the activity
  - Ensures an organized and well-executed program flow
  - Coordinates with other committees regarding the program arrangements
  - Arranges the flow of the program accordingly
  - Ensures that emcee/s are prepared for the activity
  - Ensures that all AVP's are prepared for the activity
- 3) Results, Awards, and Certificates Committee
  - Ensures the accuracy, adequacy, and availability of all medals, trophies, and tokens
  - Ensures that all certificates are printed out or ecopy ready
  - Creates the PowerPoint presentation of results
  - Coordinates closely with the Program Committee regarding announcement of winners and awardees
  - Ensures that extra medals, trophies, and tokens are available in case the need for replacement arises and safeguards the unclaimed medals or trophies
  - Ensures that Certificate of Recognition is available and properly distributed
  - Keeps complete records as to name of participants on the results of the contest.
  - Tabulates, reviews, ensures that all results are exactly computed, and consolidates the results of the contest submitted by the board of judges.
  - Announces the results of the contests

Enclosure No. 3

**Program of Activities**

Host: Ormoc City, Leyte

DATE	ACTIVITY
Aug 14, 2021	Submission of the video entries and other required documents
Aug 15, 2021	Organization of entries to the Official FB page of RSTMF
Aug 16-19, 2021	Judging of official entries
Aug 20, 2021 (AM)	2021 RSTMF <ul style="list-style-type: none"> <li>• Preliminaries</li> <li>• Messages</li> <li>• Awarding of Learner-Achievers</li> <li>• Announcement and Awarding of Winners</li> </ul>
Aug 21 (PM)-22, 2021	Provision of Technical Assistance to the 3 entries for NSTF Revision/Enhancement of video entries Uploading of entries and submission required documents
Aug 23, 2021	Submission of requirements for NSTF

**BUDGET MATRIX**

Item of Expenditure	No. Required	Cost per Unit	Total No. of Days	Amount
Meals and Snacks	10 pax	500.00	1	5,000.00
BOJ Honorarium*	7 pax	6,000.00		42,000.00
Advocacy Materials	30	450.00		13,500.00
Contest and Awards Materials				
• Contest Materials				2,200.00
• Trophies/Plaque				3,750.00
o 1 <sup>st</sup> Place	1	1,500.00		
o 2 <sup>nd</sup> Place	1	1,250.00		
o 3 <sup>rd</sup> Place	1	1,000.00		
• Medals	50	35.00		1,750.00
• Winners' Internet Allowance (learners and coaches)	6	300.00		1,800.00
<b>GRAND TOTAL</b>				<b>70,000.00</b>

*\*Approximate maximum amount allocation*

*Certificates of Participation (e-copy) and Recognition will be under RO8-CLMD*

Enclosure No. 4

(SDO Header)

**CONFIRMATION LETTER**

\_\_\_\_\_ (date)

**MA. GEMMA MERCADO LEDESMA**

Regional Director  
 DepEd Regional Office VIII  
 Candahug, Palo, Leyte

Madam:

May I respectfully submit the List of our Official Entries to the 2021 Regional Science, Technology, and Mathematics Fair (RSTMF), of which the submission of entries is on **August 14, 2021**.

NAME	DESIGNATION	Email Address	SCHOOL
	Grade __ Learner		
	Coach		
Video Title			
YouTube Video Link			
	Grade __ Learner		
	Coach		
Video Title			
YouTube Video Link			

In addition, the following is the List of Learner-Achievers for Recognition in the field of Sciences and Mathematics. They have been verified to as winners in national and international competitions (Final Category/Phase) and recognized by accredited organizations in the field of Science, Technology, Engineering, and Mathematics.

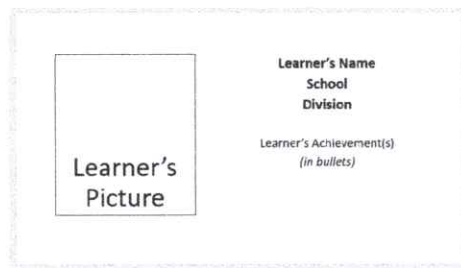
**List of Learner-Achievers for Recognition in the Sciences and Mathematics**

Name	Picture	School	Achievements

Very truly yours,

\_\_\_\_\_  
Schools Division Superintendent

*(NOTE: Aside from the List of Learner-Achievers for Recognition in Word format, the SDO must also submit a PowerPoint Presentation with the same details from the table with 1 slide per learner-achiever.)*





*Enclosure No. 5*

**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 or concept under Physical Sciences, Life Sciences, Mathematics or Engineering 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 and the Regional Science High School may send a **maximum of two (2) official entries** to the regional *Siyensikula* Competition. They should be properly endorsed by the Schools Division Superintendent through an endorsement letter on or before the deadline of submission in the regional level on **August 14, 2021**.
6. Entries must be submitted via email, through the shared Drive, to **clmd.region8@deped.gov.ph** cc to **ryan.tiu@deped.gov.ph** not later than **August 14, 2021** with a subject format: "SIYENSIKULA\_DIVISION" (ex. SIYENSIKULA\_Ormoc). Each entry will be organized in one folder which contains the (1) copy of the video (file name: title of video), (2) information details, include the name of the participants and YouTube video link attachment of the video entry, (3) a pdf file of the video script along with the references in Chicago Manual of Style, and (4) waiver and certification.
7. 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 (1<sup>st</sup> Stage)** - The Peer-to-Peer Review is the first phase of judging. Entries will be reviewed and scored by 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 the next enclosure.

- a. The participants must attend a virtual meeting orientation on Aug. 16, 2021. The meeting link will be shared through the Division Science EPSs.
  - 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 Region VIII RSTMF. 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 next enclosure.
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, 1<sup>st</sup>, and 2<sup>nd</sup> Runner-ups and will be given a medal and a certificate. They will be the regional official entries to the NSTF.
  11. All the winning entries will receive certificates and will be posted in the official Facebook page of the RSTMF with the permission and proper acknowledgement of the creators/participants. Participants must submit a duly notarized Certification. (*see enclosure*)
  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 the *Enclosures*.

**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)						
Name and signature of rater						

### 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.**

## USEFUL RESOURCES FOR THE VARIOUS RSTMF & 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=IqCMpePKGs4>

#### 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/bjcreources/>





Republic of the Philippines  
**Department of Education**

10 AUG 2021

DepEd MEMORANDUM  
No. 053, s. 2021

**NATIONAL SCIENCE AND TECHNOLOGY FAIR FOR SCHOOL YEAR 2020-2021**

To: Undersecretaries  
Assistant Secretaries  
Minister, Basic, Higher, and Technical Education, BARMM  
Bureau and Service Directors  
Regional Directors  
Schools Division Superintendents  
Public and Private Secondary School Heads  
All Others Concerned

1. The current situation brought about by the COVID-19 Pandemic posed many challenges to the delivery of education services. However, this Pandemic also magnified the role of Science and Research in providing specific and effective solutions to global challenges and issues.
2. 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** 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 NSTF 2021 will adopt a different set of competition and guidelines.
3. This year's NSTF aims to develop among the youth **resiliency, innovation, and creativity amidst global crisis**. 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.
4. The NSTF 2021 will be held using online platform in coordination with the regional offices and partners. The Virtual NSTF will banner *Siyensikula*, which is an original video competition focusing on 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.
5. The regional offices may conduct their own selection and screening process for their entries and participants in the National Science and Technology Fair.
6. Participation in the school, division, regional and national Science Technology Fair is voluntary. Announcement of national finalists and awarding ceremony will be on **September 3, 2021**.

7. Strict adherence to national and local IATF protocols must be observed in all levels of the competition such as, but not limited to, the mandatory wearing of mask and face shield by all participants and members of the Technical Working Committee.

8. All expenses related to the conduct of the NSTF 2021 such as communication allowance, prizes and cash awards, and honoraria of members of the Screening Committee, Board of Judges and external or non-DepEd resource persons in the national level STF shall be charged to the Bureau of Curriculum Development (BCD) Fund, whereas expenses **related to video production, including notarial services**, communication allowance of the learners/coach, etc., can be charged to local funds of the school/SDO, subject to the usual accounting and auditing rules and regulations.

9. The documents below are enclosed for information and guidance of all concerned.

- a. Enclosure No. 1 - *Siyensikula-Mechanics*
- b. Enclosure No. 2 - *Siyensikula-Criteria/Peer to Peer Evaluation Tool*
- c. Enclosure No. 3 - *Timeline NSTF 2021*
- d. Enclosure No. 4 - *Siyensikula Waiver and Certification*
- e. Enclosure No. 5 - *Useful Resources for the Various Competitions*

10. For more information, please contact **Ms. Anna Liza M. Chan**, Senior Education Program Specialist, Bureau of Curriculum Development-Curriculum Standards Development Division, 3rd Floor, Bonifacio Building, Department of Education Central Office, DepEd Complex, Meralco Avenue, Pasig City through email at [nstf@deped.gov.ph](mailto:nstf@deped.gov.ph) or at telephone numbers (02) 8632-7746 and (02) 8635-9822.

11. Immediate dissemination of this Memorandum is desired.

  
**LEONOR MAGTOLIS BRIONES**  
Secretary

Encls.:  
As stated

Reference:  
DepEd Memorandum No. 113, s. 2019



To be indicated in the Perpetual Index  
under the following subjects:

CELEBRATIONS AND FESTIVALS  
CONTESTS  
LEARNERS

SCIENCE EDUCATION  
SCHOOLS





### 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 (4) Certification. 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 (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 winning entries of the breakthrough junior challenge are found in *Enclosure No. 5*.



(Enclosure No. 2 to DepEd Memorandum No. 053, s. 2021)

**Siyensikula - Rubric Evaluation Tool**

Entry No.	Points					
Criteria	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 No. 3 to DepEd Memorandum No. 053, s. 2021)

**NATIONAL SCIENCE AND TECHNOLOGY FAIR TIMELINE**

<b>Activity</b>	<b>Date/Schedule</b>
Submission of Entries for the National Level Science and Technology Fair	August 23, 2021
National Level - Preliminary Screening of Entries	August 26, 2021
National Science and Technology Fair Culmination Program and Awarding Ceremony	August 30 – September 3, 2021



Ang edukasyon ay nagbibigay  
pala sa ating buong buhay



DEPED-OSEC-043848



DEPED-OS/SEC 4458-09

(Enclosure No. 4 to DepEd Memorandum No. 053, s. 2021)

### 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. 5 to DepEd Memorandum No. 053, 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=ZfvUPrNz+O4>

#### **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=T7kLONPhXkQ>

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

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

#### **Other useful resources:**

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