

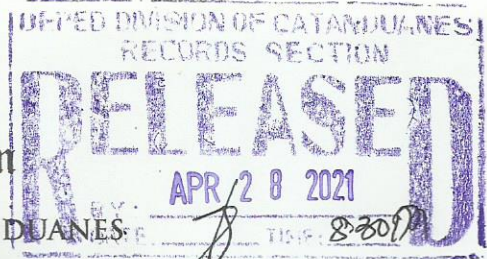


Republic of the Philippines

Department of Education

REGION V

SCHOOLS DIVISION OFFICE OF CATANDUANES



April 27, 2021

DIVISION MEMORANDUM  
OSDS-CID-DM- 173 S. 2021

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

To: Public Schools District Supervisor  
Elementary and Secondary School Heads  
All Concerned

Attached is the Regional Memorandum No 35 s. 2021 dated April 21, 2021 re: Regional Science and Technology Fair Year 2020-2021.

Enclosed also, are the regional and national science and technology fair timeline, summaries of entries per division, mechanics, criteria for each event and addendum/corrigendum to the regional memo.

Interested participants in the school shall accomplish the attached confirmation slip and submit to the concerned EPS on or before **May 5, 2021** at the CID office

The deadline of submission of the final entry in soft copies for a specific event will be on **May 20, 2021, until 5:00 PM** through this email address: [ninogerard.ceneta@deped.gov.ph](mailto:ninogerard.ceneta@deped.gov.ph)

All entries will be judged anchored on the criteria given on **May 21, 2021**. The decision of the board of judges is final and irrevocable. A division bulletin will be issued to declare the winners. First place winner/s will represent the division in the Regional Science and Technology Fair on **June 7-11, 2021**.

All incidental expenses incurred relative to this activity may be charged to school's MOOE/local funds subject to the usual accounting and auditing rule.

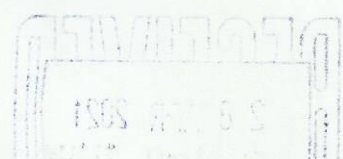
For immediate dissemination and information of all concerned

**SUSAN S. COLLANO**

Assistant Schools Division Superintendent  
Officer-In-Charge

Office of the Schools Division Superintendent

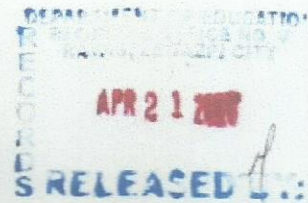
Encl.:  
References:  
To be indicated in the Perpetual Index  
Under the following subjects:







Republic of the Philippines  
**Department of Education**  
REGION V - BICOL



April 21, 2021

REGIONAL MEMORANDUM

No: 35 s.2021

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

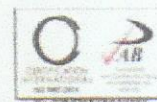
To: Schools Division Superintendents

1. The current Covid-19 situation has magnified the role of Science and Research in providing effective solutions to global challenges and issues which stalled the delivery of education services. Thus, celebrating the role of Science and Technology in addressing pandemic issues should not be ignored. However, with the restrictions imposed due to health crisis, a different set of guidelines will be adopted for the conduct of the Science and Technology Fair 2021.
2. The Department of Education thru the Curriculum and Learning Management Division (CLMD) shall conduct the Regional Science and Technology Fair for SY 2020-2021 on **June 7 to 11, 2021** with the theme, ***Agham, Pananaliksik at Teknolohiya: Kabalik at Matatag at Maunlad na Pamayanan.***
3. The fair aims to develop resiliency, innovation and creativity amidst global crisis. It shall showcase the competence of learners in addressing community problems for sustainable development and maximize their potentials of being inquisitive and creative in dealing with real-life problems.
4. The 2021 RSTF will consist of Virtual Science Fair Competitions. The competitions will be (a) Siyensikula – a production of original video focusing on a science concept, (b) Digital Poster Making, (c) Search for the Official NSTF Jingle, and (d) #SciTokperiments – a Tiktok Science Experiment Competition.
5. Strict adherence to national and local IATF protocols must be observed in all levels of competition, such as but not limited to the mandatory wearing of face masks and face shield by all participants and members of the Technical Working Committee. Learners and coaches shall work remotely and collaborate using online platforms.
6. Expenses related to the schools and divisions conduct and participation shall be charged against local funds while all expenses for the conduct of RSTF 2021 shall be charged from the CO downloaded subsidy for RSTF 2021.
7. Enclosed are the following documents for information and guidance of all concerned.  
Enclosure 1: Timeline RSTF 2021 and Summary of Allowed Maximum Number of Division Entries  
Enclosure 2: Siyensikula - Mechanics



Regional Center Site, Rawis, Legazpi City 4500

0917 178 1288  
region5@deped.gov.ph








Republic of the Philippines  
**Department of Education**  
REGION V - BICOL

DEPARTMENT OF EDUCATION  
APR 21 2021  
RELEASED

- Enclosure 3: Siyensikula – Criteria
- Enclosure 4: Digital Poster Making Mechanics and Criteria
- Enclosure 5: NSTF Official Jingle Contest Mechanics and Criteria
- Enclosure 6: #SciTokperiments – A Tiktok Competition Mechanics
- Enclosure 7: Siyensikula Certification
- Enclosure 8: NSTF Official Jingle Contest-Waiver
- Enclosure 9: List of Useful Resources for the Various Competitions

8. For Immediate dissemination and information of all concerned.

  
**GILBERT T. SADSAD**  
Regional Director

Reference No: **021984**  
Enclosure as stated

To be included in the Perpetual Index under the following subject:

CELEBRATIONS AND FESTIVALS

SCHOOLS

SCIENCE EDUCATION

STUDENTS

CONTESTS

CLMDfbb/cheD  
4/21/2021





Republic of the Philippines  
**Department of Education**  
 REGION V - BICOL

Enclosure 1:

**REGIONAL AND NATIONAL SCIENCE AND TECHNOLOGY FAIR TIMELINE**

Activity	Date/Schedule
School and Division Level Screening	May 17 – 28, 2021
<b>Submission of Division Entries and Documents to the Region for Pre-Evaluation and Screening</b>	<b>June 3, 2021</b>
<b>Regional Level Science and Technology Fair</b>	<b>June 7 - 11, 2021</b>
Submission of Entries for the National Level Science and Technology Fair	June 21, 2021
National Level - Preliminary Screening of Entries	June 23 - 25, 2021
National Science and Technology Fair Culmination Program and Awarding Ceremony	July 5 - 9, 2021

**SUMMARY OF ENTRIES PER DIVISION IN THE RSTF 2021**

Event	Allowed Maximum No. of Entry
<b>Siyensikula</b> (can be individual or a group of 3)	
Junior High School	1
Senior High School	1
<b>Digital Poster-Making</b>	
Elementary	1
Junior High School	1
Senior High School	1
<b>Jingle-Making</b> (can be individual or a group of 3 from elementary and secondary public/private schools)	1
<b>#SciTokperiments (Individual)</b>	
Junior High School	1
Senior High School	1
<b>Total Number of Entries:</b>	<b>8</b>



Republic of the Philippines  
**Department of Education**  
REGION V - BICOL

---

**Enclosure 2:**

**SIYENSIKULA - MECHANICS**

1. This competition is open to all Junior and Senior High School students from both Public and Private Schools. **Maximum of three students may collaborate on a single video entry. 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.**
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. **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.
4. 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.**
5. Each division 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 **June 3, 2021**.
6. Entries must be submitted via email to **rstfrov@gmail.com** not later than **June 3, 2021** with a subject format: "SIYENSIKULA\_DIVISION\_VideoTitle" (ex. SIYENSIKULA\_ALBAY\_KONTRA COVID).
7. The email should include: (1) the name/s of the participant/s, (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. The Evaluation and Selection Committee will review and score all the video entries based on the criteria for judging found in Enclosure No. 3. The entry with the highest percentage shall be declared as winner and shall represent the region in the National Science and Technology Fair.
10. 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 9.





Republic of the Philippines  
**Department of Education**  
 REGION V - BICOL

Enclosure 3:

**SIYENSIKULA – Rubrics Evaluation Tool**

CRITERIA	0	1	2	3	4	5
<b>Engagement</b>	Failed to establish engagement and did not hold viewers attention	Somewhat interesting but did not hold viewers attention for the entire length of the video.	Fairly interesting and held viewers attention for the entire length of the video.	Interesting and viewer felt engaged throughout the entire length of the video.	Very interesting and the viewer was excited to see what would come next.	Captivating and made the viewer want to watch another video made by the entrant
<b>Illumination</b>	Failed to explain the subject matter clearly; video did not help the 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.
<b>Creativity</b>	No element 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.
<b>Difficulty</b>	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 or early college level.	Subject matter is typically covered at the advanced college level or higher.
<b>Total Points (Maximum of 20 Points)</b>						



Republic of the Philippines  
**Department of Education**  
REGION V - BICOL

---

**Enclosure 4:**

**DIGITAL POSTER MAKING CONTEST - MECHANICS**

1. Each division 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/PSD format.**
5. The final output of each contestant must be submitted via email to [rstfrov@gmail.com](mailto:rstfrov@gmail.com) with a subject format: "POSTER\_DIVISION\_CATEGORY" (ex. POSTER\_ALBAY\_ELEM).
6. **A time-lapsed recorded video** of the participant drawing the poster together with the digital poster must be submitted on or before **June 3, 2021**. 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.

**POSTER MAKING CONTEST – CRITERIA**

<b>Criteria</b>	<b>Points</b>
Visual Impact and Color Harmony	25
Originality	25
Creativity	20
Relevance to the Theme	<u>30</u>
Total	100%





Republic of the Philippines  
**Department of Education**  
REGION V - BICOL

---

**Enclosure 5:**

**JINGLE MAKING CONTEST – MECHANICS AND CRITERIA**

1. The contest is open to all pupils/students from both public and private 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. Each division can have only **one (1) official entry** for the regional level.
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 email to **rstfrov@gmail.com not later than June 3, 2021** with a subject format: "JINGLE\_DIVISION\_LASTNAME OF COMPOSER/S.
9. Entries may be written in English or Filipino.
10. The winning piece may be used as the official National Science and Technology Fair jingle in all of its activities and engagement.
11. The right of ownership, shall remain with the original composers of the winning jingle entry. However, DepEd shall be allowed to use the winning entry for the production of an improved version if needed for official use and distribution. A completely filled out Enclosure 8 must be submitted together with the entries.





Republic of the Philippines  
**Department of Education**  
REGION V - BICOL

---

**NSTF JINGLE MAKING CONTEST - CRITERIA**

<b>Criteria</b>	<b>Points</b>
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	<u>10</u>
Total	<b>100%</b>



Republic of the Philippines  
**Department of Education**  
REGION V - BICOL

---

**Enclosure 6:**

**#SCITOKPERIMENTS - A TIKTOK SCIENCE EXPERIMENT COMPETITION MECHANICS**

1. This competition is open to all Junior and Senior High School students from both Public and Private Schools in the country.
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 #RSTF2021 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/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 1080x1920. 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. The official entries to the Regional #SciTokperiments Competition should be properly endorsed by the Schools Division Superintendents through an endorsement letter on or before the deadline of submission in the regional level on June 3, 2021.
9. Entries must be submitted via email to [rstfrov@gmail.com](mailto:rstfrov@gmail.com) not later than June 3, 2021 with a subject format: "#SCITOKEXPERIMENTS\_DIVISION\_ENTRYNO.\_"  
(ex. "#SCITOKEXPERIMENTS\_ROVIII\_EntryNo1).
10. The email should include: (1) the name/s of the participant/s, (2) Tiktok 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.
11. DepEd-RSTF Regional 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,





Republic of the Philippines  
**Department of Education**  
REGION V - BICOL

---

misappropriates, or violates any rights of any third party including, without limitation, patent, copyright, trademark or right of privacy or publicity.

12. Entries submitted to “#SCITOKEXPERIMENTS do not represent DepEd and the RSTF Technical Working Group.

13. The Tiktok Video will be judged according to the following criteria:

<b>Criteria</b>	<b>Percentage</b>
Creativity	25%
Delivery/Execution	25%
Accuracy of Content	40%
Engagement (likes, comments, shares, reactions)	<u>10%</u>
Total	100%



Republic of the Philippines  
**Department of Education**  
REGION V - BICOL

---

**Enclosure 7:**

**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 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:





Republic of the Philippines  
**Department of Education**  
REGION V - BICOL

---

Enclosure 8

**WAIVER AND CERTIFICATION**

The submission of jingle authorizes the Department of Education to use the same for exhibition, education and/or publicity purposes of the National Science and Technology Fair; and that DepEd is not responsible for any legal claims involving copyright, trademark, credits, royalty infringement or any other violations related to the jingle. DepEd shall have complete, and sole ownership of the winning jingle to be utilized at its discretion.

The undersigned acknowledges and agrees to the following:

- a. Have read, understood and fully complied with terms and conditions and eligibility requirements of the contest;
- b. Duly authorized to submit this entry to the contest;
- c. The entry has not been, in any way, commercially exhibited anywhere;
- d. The entry is new and original;
- e. Certify that all information given here is true to the best of my knowledge and abilities.

---

SIGNATURE OVER PRINTED NAME

---

DATE

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



Republic of the Philippines  
**Department of Education**  
REGION V - BICOL

---

Enclosure 9:

**SUGGESTED 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>

**POSTER MAKING**

How to use Oil Pastel [https://www.youtube.com/watch?v=fRC1uN9q\\_K0](https://www.youtube.com/watch?v=fRC1uN9q_K0)

**JINGLE MAKING**

How to get started with REMOTE MUSIC COLLABORATION!  
[https://www.youtube.com/watch?v=YUnCo\\_CYWM8&list=RDYUnCo\\_CYWM8&index=1](https://www.youtube.com/watch?v=YUnCo_CYWM8&list=RDYUnCo_CYWM8&index=1)

How to Record a Remote Worship Team Video | Step by Step Tutorial w/ easy gear setup  
[https://www.youtube.com/watch?v=I08eiNeOnMQ&list=RDYUnCo\\_CYWM8&index=3](https://www.youtube.com/watch?v=I08eiNeOnMQ&list=RDYUnCo_CYWM8&index=3)

**#SciTokperiments**

10 Best Science Experiment TikTok Accounts for Kids to Follow  
<https://www.ronyestech.com/2020/05/best-science-experiment-tiktok-accounts.html>



**TARGET PARTICIPANTS:**

**May 6, 2021**

- 1 CID Chief
- 10 Education Program Supervisors
- 2 Alternative Learning System
- 1 TLE Coordinator
- 1 Librarian II
- 1 Project Development Officer II
- 2 Staff

Total: **18**

**May 7, 2021**

- 1 CID Chief
- 17 Public Schools District Supervisors/In-Charge of Districts
- 2 staff

Total = **20**

**Overall Total = 38**

**BUDGETARY REQUIREMENTS**

Meals : 38 x 500.00 = 19,000.00

---

**P19,000.00**

**VI. FUNDING SOURCE**

Prepared by:

**ROMEL G. PETAJEN**  
Chief, CID

Recorded by: (fr T&D/Recording/Verification)

**AROLINE BORJA**  
Human Resource T&D

Availability of Funds:

**MA. CIELO C. TUBALE**  
Budget Officer

Recommending Approval:

**MA. LUISA T. DELA ROSA**  
Assistant Schools Division Superintendent

Approved:

**SUSAN S. COLANO**  
Assistant Schools Division Superintendent  
Officer in Charge  
Schools Division Superintendent





Republic of the Philippines  
Department of Education  
REGION V - BICOL

DEPARTMENT OF EDUCATION  
REGIONAL OFFICE NO. V  
RAWIS, LEGAZPI CITY  
APR 26 2021  
RECORDED  
RELEASED M

ADVISORY

ADDENDUM AND CORRIGENDUM TO REGIONAL MEMO # 35, S. 2021, re: REGIONAL  
SCIENCE AND TECHNOLOGY FAIR 2021

April 26, 2021

To: SCHOOLS DIVISION SUPERINTENDENTS

With reference to **Regional Memo # 35, dated April 21, 2021**, this Office provides the following addendum-corrigendum on the following clauses stated under:

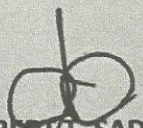
Enclosure 4: Digital Poster Making Mechanics and Criteria

**#6 Students are only given a maximum of one (1) hour to do the poster. A TIME-LAPSED RECORDED VIDEO of the participant drawing the poster together with the digital poster must be submitted on or before June 3, 2021. Non-compliance will result in automatic disqualification.**

Enclosure 5: Jingle Making Contest Mechanics and Criteria

**#8 Jingle entries together with the musical sheet and brief write-up of the entry's inspiration and origin must be submitted via email to [rstfrov@gmail.com](mailto:rstfrov@gmail.com) not later than June 3, 2021 with a subject format: "Jingle\_Division\_LastName of Composer/s".**

For reference, information and dissemination to all concerned.

  
GILBERT T. SADSAD  
Regional Director

022405





Republic of the Philippines  
**Department of Education**  
 Region V – Bicol  
**SCHOOLS DIVISION OFFICE OF CATANDUANES**

---

**Division Science and Technology Fair  
 Confirmation Slip**

**Name of School** :

---

**Event** :

---

**Name of Contestant/s** :

---

**Name of Coach** :

---

:

---

(Maximum of 2 coaches per event)

**Contact Number** :

---

**Email Address** :

---

Prepared and Submitted by:

\_\_\_\_\_  
 Printed Name & Signature

