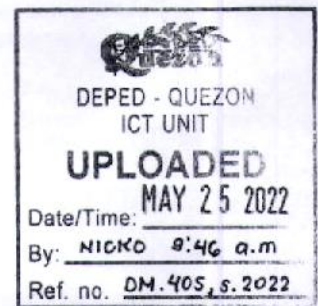




Republic of the Philippines
Department of Education
Region IV-A
SCHOOLS DIVISION OF QUEZON PROVINCE



23 May 2022

DIVISION MEMORANDUM

DM No. 405, s. 2022

DIVISION SCIENCE AND TECHNOLOGY FAIR DSTF 2022

To: Assistant Schools Division Superintendents,
Public Schools District Supervisors,
Secondary School Heads and Science Enthusiasts
All Other Concerned

1. In line with DepEd Memo No. 38, s. 2022 – the National Science and Technology Fair NSTF and Regional Memo No. 275, s. 2022 – the Regional Science and Technology Fair RSTF and in line with with the CID banner program BLAZE- Building Learners Zeal of Excellence the Curriculum and Implementation Division CID – Science Area will conduct the **Division Science and Technology Fair DSTF 2022** with the theme: **Expanding the Horizon: Future of STEM**. This is an on-line activity that will be held on June 2-3, 2022, the zoom link will be emailed to the participants before the competition.
2. The activity aims to hone the competence of learners in addressing community problems for sustainable development and maximize their potential of being inquisitive and creative in dealing with real-life problems through research.
3. The virtual DSTF will banner the following events and competition:
 - a. **Siyensikula** – an original video creation competition
 - b. **Likha** – a Research Proposal Competition
 - c. **#SteMTokperiments** - a Tiktok Science Experiment Competition

DEPEDQUEZON-TM-SDS-04-009-003



"Creating Possibilities, Inspiring Innovations"

Address: Sitio Fori, Brgy. Talipan, Pagbilao, Quezon
Trunkline #: (042) 784-0366, (042) 784-0164, (042) 784-0391, (042) 784-0321
Email Address: quezon@deped.gov.ph
Website: www.depedquezon.com.ph



Republic of the Philippines
Department of Education
Region IV-A
SCHOOLS DIVISION OF QUEZON PROVINCE

- d. **STEM Academy** - a conference and benchmarking for learning and development of learners and teachers on innovation, creativity, and excellence in Science and Research. The SSP implementing schools will prepare a ten-minute documentary video highlighting curriculum enhancements, innovations and accomplishments (SY 2020 – 2022) to be emailed to kameraezeru66@gmail.com
- The review, validation, evaluation and selection will be held face to face on June 2 & 3, 2022 at Sevilla's Hotel and Resort Lucena City. There will be an orientation meeting on June 1, 2022 via goggle meet.
 - Participation in the school, division, regional and National Science and Technology Fair is voluntary. The CID – Science Area will conduct the selection and screening for the entries in the Regional Science and Technology Fair. The announcement of the division finalists and awarding ceremony will be on June 3, 2022.
 - For the purpose of giving opportunities to coaches and learners the DSTF will have separate categories for the Junior High School and Senior High School. However, only one (1) entry from each competition will be sent as the official entry of SDO Quezon to the Regional Science and Technology Fair. This will be determined by the highest point obtained. In case of tie, the division representative in the RSTF will be determined by the judges. The decision of the judges is final and irrevocable.
 - All entries must be received before May 27, 2022 using the link and file name below:
(Please indicate your email address)

Siyensikula	https://tinyurl.com/SiyensikulaDSTF2022JuniorHS https://tinyurl.com/SiyensikulaDSTF2022SeniorHS SIYENSIKULA_SCHOOL_JHS/SHS_VideoTitle (ex. SIYENSIKULA_DMDPNHS_JHS_Change)
Likha	https://tinyurl.com/LikhaDSTF2022JHS https://tinyurl.com/LikhaDSTF2022SHS LIKHA_SCHOOL_JHS/SHS_CATEGORY (ex. LIKHA_DMDPNHS_JHS_LS1)

DEPEDQUEZON-TM-SDS-04-009-003



"Creating Possibilities, Inspiring Innovations"

Address: Sitio Fori, Brgy. Talipan, Pagbilao, Quezon
Trunkline #: (042) 784-0366, (042) 784-0164, (042) 784-0391, (042) 784-0321
Email Address: quezon@deped.gov.ph
Website: www.depedquezon.com.ph



Republic of the Philippines
Department of Education
Region IV-A
SCHOOLS DIVISION OF QUEZON PROVINCE

#SteMTokperiments	https://tinyurl.com/STEMtokperimentsDSTF2022JHS https://tinyurl.com/STEMtokperimentsDSTF2022SHS #SCITOKPERIMENT_SCHOOL (EX. #SCITOKPERIMENT_DMDPNHS)
STEM Academy	STEM_Academy_School (ex. STEM_Academy_DMPNHS) kameraezeru66@gmail.com

8. Winners for each category under the Division Level will receive certificate of recognition. All participants will receive certificate of participation.
9. To ensure the implementation of health and safety protocol amidst this COVID-19 pandemic, the conduct of this activity shall comply with the existing Inter-Agency Task Force Emerging Infectious Diseases (IATF-EID) Guidelines and Policies. The SDO – Quezon Health Scetion will send 2 Nurses on duty to ensure that the health and safety protocols are properly observed.
10. All expenses related to the review, evaluation, validation, and selection shall be charged to the Division MOOE fund while travel and incidental expenses shall be charged to school/Division MOOE subject to the usual accounting and auditing rules and regulation.
11. Please see enclosure for more information and guidance of all cocerned.
12. Immediate dissemination of this Memorandum is desired.

ELIAS A. ALICAYA JR. EdD
Assistant Schools Division Superintendent
Officer-In-Charge
Office of the Schools Division Superintendent

cid-ims/caao/rqn/05/23/2022

DEPEDQUEZON-TM-SDS-04-009-003



"Creating Possibilities, Inspiring Innovations"

Address: Sitio Fori, Brgy. Talipan, Pagbilao, Quezon
Trunkline #: (042) 784-0366, (042) 784-0164, (042) 784-0391, (042) 784-0321
Email Address: quezon@deped.gov.ph
Website: www.depedquezon.com.ph



Republic of the Philippines
Department of Education
Region IV-A
SCHOOLS DIVISION OF QUEZON PROVINCE

Enclosure No. 1 in Reference to DepEd Memorandum No. 038, s.2022

SIYENSIKULA MECHANICS

1. This competition is open to all Junior and Senior High School students from both Public and Private Schools in DepEd-Quezon. Each school must submit only one (1) **INDIVIDUAL** entry for this competition. The training 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 must discuss a difficult topic under **Physical Sciences, Life Sciences, Mathematics**, or an **Engineering** concept in a clear, creative, and engaging manner through video presentation that is **not more than (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 reviewed and examined 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 school may send **only one (1) official entry for Junior High School** and **only one (1) official entry for Senior High School** to the Division Siyensikula Competition. They shall be properly endorsed by the School Principal through an endorsement letter on or before the deadline of submission at the division level on **May 27, 2022**.
6. Entries must be submitted thru the following links:
For Junior High School: <https://tinyurl.com/SiyensikulaDSTF2022JuniorHS>
For Senior High School: <https://tinyurl.com/SiyensikulaDSTF2022SeniorHS>
with a subject format:

SIYENSIKULA_SCHOOL_JHS/SHS_VideoTitle
(ex. SIYENSIKULA_DMDPNHS_JHS__Change)

DEPEDQUEZON-TM-SDS-04-009-003



"Creating Possibilities, Inspiring Innovations"

Address: Sitio Fori, Brgy. Talipan, Pagbilao, Quezon
Trunkline #: (042) 784-0366, (042) 784-0164, (042) 784-0391, (042) 784-0321
Email Address: quezon@deped.gov.ph
Website: www.depedquezon.com.ph



Republic of the Philippines
Department of Education
Region IV-A
SCHOOLS DIVISION OF QUEZON PROVINCE

7. The email should include: (1) the name of the participant (2) a pdf file of the video script along with the references in the Chicago Manual of Style. Non-submission of any of the required documents for the competition category will automatically be disqualified.
8. There will be two (2) stages in the judging process:
 - a. **PEER-TO-PEER REVIEW** - 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 for each entry. The contest committee will assign peers who will review the entries of other contestants. The project with the highest score will receive a special award. The criteria for judging are found in Enclosure No. 2.
 - b. **EVALUATION AND SELECTION COMMITTEE REVIEW** - 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** of the results of the Peer- to Peer Evaluation. The entry with the highest percentage in the final stage shall be declared as Champion and will be given a certificate of recognition.
10. Participants must submit a duly notarized Certification.

DEPEDQUEZON-TM-SDS-04-009-003



"Creating Possibilities, Inspiring Innovations"

Address: Sitio Fori, Brgy. Talipan, Pagbilao, Quezon
Trunkline #: (042) 784-0366, (042) 784-0164, (042) 784-0391, (042) 784-0321
Email Address: quezon@deped.gov.ph
Website: www.depedquezon.com.ph



Republic of the Philippines
Department of Education
 Region IV-A
 SCHOOLS DIVISION OF QUEZON PROVINCE

Enclosure No. 2 in Reference to Dep Ed Memorandum No. 038, s.2022

SIYENSIKULA EVALUATION TOOL

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 engaged the viewer throughout run of the video	Very interesting and throughout the video, viewer was excited to see what would come next.	Captivating and made the viewers 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 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.	Parts of the video used creative approaches that made those parts of the 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 high school level.	Subject matter is typically covered at the senior high school level.	Subject matter is typically covered at the senior high school level but the video expands upon more complex areas of the subject matter.	Subject matter is typically covered at the advanced senior high school level or early college level.	Subject matter is typically covered at the advanced college level or higher.
TOTAL (20)						

DEPEDQUEZON-TM-SDS-04-009-003



"Creating Possibilities, Inspiring Innovations"

Address: Sitio Fori, Brgy. Talipan, Pagbilao, Quezon
 Trunkline #: (042) 784-0366, (042) 784-0164, (042) 784-0391, (042) 784-0321
 Email Address: quezon@deped.gov.ph
 Website: www.depedquezon.com.ph



Republic of the Philippines
Department of Education
Region IV-A
SCHOOLS DIVISION OF QUEZON PROVINCE

Enclosure No. 3 in Reference to Dep Ed Memorandum No. 038, s. 2022

SIYENSIKULA WAIVER AND CERTIFICATION
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 – **Quezon Province and**
DepEd – Region IV A Calabarzon - 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 _____, 2022 at _____.

Witness

Witness

SUBSCRIBED AND SWORN TO before me this _____ day of _____ 2022, at,
_____, Philippines, affiant _____, exhibiting his proof
of identity as above stated.

Doc. No.: _____
Page No.: _____
Book No.: _____
Series of 2022

DEPEDQUEZON-TM-SDS-04-009-003



"Creating Possibilities, Inspiring Innovations"

Address: Sitio Fori, Brgy. Talipan, Pagbilao, Quezon
Trunkline #: (042) 784-0366, (042) 784-0164, (042) 784-0391, (042) 784-0321
Email Address: quezon@deped.gov.ph
Website: www.depedquezon.com.ph



Republic of the Philippines
Department of Education
Region IV-A
SCHOOLS DIVISION OF QUEZON PROVINCE

Enclosure No. 4 in Reference to DepEd Memorandum No. 038, s. 2022

LIKHA – A FULL PROPOSAL RESEARCH COMPETITION

MECHANICS AND CRITERIA

1. This competition is open to all Grade 9 - 12 students from both Public and Private Schools in DepEd-Quezon.
2. The champion at the school level shall represent the school to the DSTF competition as approved by the Screening Committee. Only one (1) entry is allowed per category either individual or team.
3. The four (4) major categories are Life Science, Physical Science, Robotics and Intelligent Machines, and Mathematics and Computational Sciences.

CATEGORY	Life Science (LS)	Physical Science (PS)	Robotics and Intelligent Machines (RIM)	Mathematics and Computational Science (MCS)
	Individual	Individual	Individual	Individual
	Team	Team	Team	Team

4. The official entries to the Division Level Likha Competition should be properly endorsed by the School Principal through an endorsement letter on or before the deadline of submission at the school level on **May 27, 2022**.

Entries must be submitted to the links:

For Junior High School: <https://tinyurl.com/LikhaDSTF2022JHS>

For Senior High School: <https://tinyurl.com/LikhaDSTF2022SHS>

with a subject format:

LIKHA SCHOOL_JHS/SHS_CATEGORY

(ex. LIKHA_DMDPNHS_JHS_LS-I).

5. The email should include completely filled-out **Project Form** (Enclosure 5) and other relevant files in PDF format (Full Proposal Research Paper). Incomplete submission of the required documents may disqualify the regional entries.

DEPEDQUEZON-TM-SDS-04-009-003



"Creating Possibilities, Inspiring Innovations"

Address: Sitio Fori, Brgy. Talipan, Pagbilao, Quezon

Trunkline #: (042) 784-0366, (042) 784-0164, (042) 784-0391, (042) 784-0321

Email Address: quezon@deped.gov.ph

Website: www.depedquezon.com.ph



Republic of the Philippines
Department of Education
Region IV-A
SCHOOLS DIVISION OF QUEZON PROVINCE

6. The Project Proposal will be **judged** according to the following criteria:

CRITERIA	DESCRIPTION	WEIGHT
Originality and Innovation	The project provides novel and innovative solutions to issues in the environment	20%
Technical/Scientific Merit	Sound scientific basis to generate new knowledge or apply existing knowledge in an innovative manner	20%
Community Connection and Impact	Outcomes are expected to address the issue or problem identified.	20%
Excellence of method	Solution and method proposed and cost effective, viable, timely and relevant.	20%
Presentation	Proponent/s provide/s a clear explanation of the facts, theories, thorough understanding of the expected output of the proposal.	20%
TOTAL		100%

7. Project Format Descriptions:

- a. **Executive Summary**- a brief discussion about the proposal.
- b. **Introduction**- a declaration of the project and its idea and context to explain the goals and objectives to be reached and other relevant information that explains the need for the project and states the aims to describe the amount of work planned for implementation; refers to a simple explanation or depiction of the project that can be used as communication material.
 - **Rationale**- a brief analysis of the problems identified related to the project
 - **Significance**- refers to the alignment to national S&T priorities, strategic relevance to national development and addresses current issues and concerns.
 - **Scientific Basis**- scientific findings, conclusions or assumptions used as justification for the research.
 - **Theoretical Framework**- the structure that summarizes concepts and theories that serve as basis for the data analysis and interpretation of the research data.
 - **Objectives**- statements of the general and specific purposes to address the problem areas of the project.

DEPEDQUEZON-TM-SDS-04-009-003



"Creating Possibilities, Inspiring Innovations"

Address: Sitio Fori, Brgy. Talipan, Pagbilao, Quezon
Trunkline #: (042) 784-0366, (042) 784-0164, (042) 784-0391, (042) 784-0321
Email Address: quezon@deped.gov.ph
Website: www.depedquezon.com.ph



Republic of the Philippines
Department of Education
Region IV-A
SCHOOLS DIVISION OF QUEZON PROVINCE

- c. **Review of Literature** - refers to the following: (a) related researches that have been conducted, state-of-the-art or current technologies from which the project will take off; (b) scientific/technical merit; (c) results of related research conducted by the same Project Leader, if any; (d) Prior Art Search, and; (e) other relevant materials.
 - d. **Methodology** - description of the design and engineering solution proposed to address the problem, the (a) variables or parameters to be measured and evaluated or analyzed; (b) treatments to be used and their layout; (c) experimental procedures and design; (d) statistical analysis; (e) evaluation method and observations to be made, strategies for implementation (Conceptual/ Analytical framework).
 - e. **Expected Output and Potential Impact** - discusses the possible outcome of the project, the target beneficiaries, socio and economic impact
 - f. **Workplan and Target Deliverables**- indicates the timeline of activities to be accomplished in the conduct of the project.
 - g. **References** - list of reference materials such as journals, designs and patents, and online sources. It should follow the Chicago Manual of Style in referencing.
9. The paper format for Likha should be on A4 size white bond paper, 12 font, Times New Roman, double-spaced (In reference to DepEd Advisory No. 2786, s. 2022)
10. A question and answer portion with the board of judges will follow right after the on-line actual presentation. They will be given 5 minutes for the presentation and 10 minutes for the Q and A.
11. A video-recorded presentation of the research proposal entry not exceeding five minutes must be submitted. (In reference to DepEd Advisory No. 2786, s. 2022)

DEPEDQUEZON-TM-SDS-04-009-003



"Creating Possibilities, Inspiring Innovations"

Address: Sitio Fori, Brgy. Talipan, Pagbilao, Quezon
Trunkline #: (042) 784-0366, (042) 784-0164, (042) 784-0391, (042) 784-0321
Email Address: quezon@deped.gov.ph
Website: www.depedquezon.com.ph



Republic of the Philippines
Department of Education
 Region IV-A
 SCHOOLS DIVISION OF QUEZON PROVINCE

Enclosure No. 6 in Reference to DepEd Memorandum No. 038, s.2022

LIKHA - RUBRIC EVALUATION TOOL (FINAL JUDGING)

CRITERIA	POINT
<p>1. Originality and Innovation (20)</p> <ol style="list-style-type: none"> 1. Does the project show originality and innovation in terms of <ol style="list-style-type: none"> a. proposed approach in solving the problem? b. research design? c. research methodology? d. construction or design of a new or improved equipment? 2. Did the research project considered an issue/problem/gap that previous research projects did not addressed? 3. Does the project transforms an idea or solution into a creative, unique and major improvement in the current technology/process/product/technique/design? 	
<p>2. a. Technical/Scientific Merit (20) (If an engineering project, please see 2b. Engineering Goals.)</p> <ol style="list-style-type: none"> 1. Is the problem stated explicitly and concisely? 2. Was the approach to solve the problem supported by relevant, critical and logical related literatures (scientific basis/theoretical framework/ mathematical theory)? 3. Did the finalist/team cite sufficient number of credible related literatures to provide a solid understanding and pre-requisite information for readers to better understand the research project? 4. Does the finalist/team recognize the projects' limitations? 5. Does the analysis of background information with depth? <p>b. Engineering Goals</p> <ol style="list-style-type: none"> 1. Does the project have a clear objective? 2. Is the objective relevant to the potential user's needs? 3. Is the solution: workable? Acceptable to the potential user? Economically feasible? 4. Could the solution be utilized successfully in design or construction of an end product? 5. Is the solution a significant improvement for the previous alternatives or application? 6. Will the solution be tested for performances under standardized protocols? 	
<p>3. Community Connection and Impact (20)</p> <ol style="list-style-type: none"> 1. Did the project addressed a relevant research issue? (e. g. food safety, water conservation, cyber, security, traffic/road congestion, health, disaster mitigation, agriculture and environment and others) 2. Did the student clearly defined the extent on how the research project can potential, benefit and meet the needs of the society. 3. Does the proposed solution gives value, effectiveness and efficiency to their target sector? 	
<p>4. Excellence of Method (20)</p> <ol style="list-style-type: none"> 1. Was the research methods supported by relevant and credible related literatures? 2. Was there an efficient, thorough/ valid and reliable procedural plan to attain the research objectives? 3. Are the variables clearly identified and defined? 4. If controls were necessary, did the student recognize their need and will be used correctly? For the extraneous variables, did the student identified methods on how to monitor and keep these variables constant? 5. Does the critical elements (e.g. treatments, techniques, protocols, replications, trials) of the research design and methods appropriately developed? 6. Does the project specifically and clearly explained what and how quantitative and qualitative data will be collected? 7. Does the project recognized ethical or safety- issues and has adequate plans to manage risks? 8. Does the project include appropriate protocols/procedures for waste disposal and data analysis? 9. Is the proposed timeline/workplan appropriate, achievable, practical and feasible? 	
<p>5. Presentation(20)</p> <ol style="list-style-type: none"> 1. How clearly- and concisely does the finalist or team discussed his/her project and explain the rationale and procedures? Watch out of memorized speeches that reflect little understanding of principles. 2. Does the written material reflect the finalist's or team's understanding of the research proposal? 3. Are the important phases of the project presented in an orderly manner? 	

DEPEDQUEZON-TM-SDS-04-009-003



"Creating Possibilities, Inspiring Innovations"

Address: Sitio Fori, Brgy. Talipan, Pagbilao, Quezon
 Trunkline #: (042) 784-0366, (042) 784-0164, (042) 784-0391, (042) 784-0321
 Email Address: quezon@deped.gov.ph
 Website: www.depedquezon.com.ph



Republic of the Philippines
Department of Education
Region IV-A
SCHOOLS DIVISION OF QUEZON PROVINCE

4. How clearly is the rationale presented?	
5. How clearly are the research methods presented?	
6. Did the student use presentation resources as guide?	
7. Is the presentation professional with the use of colors, fonts and graphics?	
8. Did the student speak clearly, maintain eye contact and use appropriate scientific language?	
9. Did the student provide clear, detailed and accurate answers to the questions given?	
TOTAL	
 <hr/> Signature over printed name of the judge 	

DEPEDQUEZON-TM-SDS-04-009-003



"Creating Possibilities, Inspiring Innovations"

Address: Sitio Fori, Brgy. Talipan, Pagbilao, Quezon
Trunkline #: (042) 784-0366, (042) 784-0164, (042) 784-0391, (042) 784-0321
Email Address: quezon@deped.gov.ph
Website: www.depedquezon.com.ph



Republic of the Philippines
Department of Education
Region IV-A
SCHOOLS DIVISION OF QUEZON PROVINCE

Enclosure No. 7 in Reference to DepEd Memorandum No. 38, s. 2022
LIKHA - PROJECT PROPOSAL TEMPLATE

(1) PROJECT PROFILE Project Title: _____ Names of Project Proponents: _____ Region: _____ School: _____ Division: _____ Grade Level: _____ Project Duration (number of months): _____ Email: _____ Contact number: _____	
(2) CATEGORY OF RESEARCH ____ Physical Science ____ Life Science ____ Robotics and Intelligent Machines ____ Mathematics and Computational Sciences	(4) THEME ____ Food Safety ____ Water Conservation ____ Renewable Energy ____ Cyber Security ____ Traffic / Road Congestion ____ Health ____ Disaster Mitigation ____ Agriculture and Environment. ____ Others (please specify) _____
(3) ____ Individual ____ Team	
(5) EXECUTIVE SUMMARY (not to exceed 200 words)	
(6) INTRODUCTION	
(6.1) RATIONALE/SIGNIFICANCE (not to exceed 300 words)	
(6.2) SCIENTIFIC BASIS/THEORETICAL FRAMEWORK/MATHEMATICAL THEORY INVOLVED	
(6.3) OBJECTIVES General: Specific:	
(7) REVIEW OF LITERATURE	
(8) METHODOLOGY	
(9) EXPECTED OUTPUTS AND POTENTIAL IMPACTS	
(10) WORK PLAN AND TARGET DELIVERABLES	
(11) REFERENCES	

DEPEDQUEZON-TM-SDS-04-009-003



"Creating Possibilities, Inspiring Innovations"

Address: Sitio Fori, Brgy. Talipan, Pagbilao, Quezon
Trunkline #: (042) 784-0366, (042) 784-0164, (042) 784-0391, (042) 784-0321
Email Address: quezon@deped.gov.ph
Website: www.depedquezon.com.ph



Republic of the Philippines
Department of Education
Region IV-A
SCHOOLS DIVISION OF QUEZON PROVINCE

Enclosure No. 8 in reference to DepEd Memorandum No. 038, s. 2022

#STEMTOKPERIMENTS – A TIKTOK SCIENCE EXPERIMENT

MECHANICS

1. This competition is open to all Junior and Senior School students from both Public and Private Schools in DepEd-Quezon.
2. There will be two (2) categories: (a) Junior High School, and (b) Senior High School. The video entry should feature only one (1) **Tiktok user**.
3. Each school may send **one (1) official entry from each category** to the Division STEMTokperiments Competition. They should be properly endorsed by the Schools Principal through an endorsement letter on or before the deadline of submission at the division level on May 27, 2022.
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. The Tiktok Video must use the hashtags **#SCITOKPERIMENTSQUEZONPROVINCE** and **#DSTF2022** in uploading the video entry in Tiktok.
7. 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 contestant will be held accountable to any issues that may arise with regard to the originality and accuracy of the content.
8. 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.
 - Dimension:** 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 will not take up the whole screen.
 - File type:** Tiktok supports .mp4 and .mov files

Entries must be submitted through this link

For Junior High School: <https://tinyurl.com/STEMtokperimentsDSTF2022JHS>

For Senio High School: <https://tinyurl.com/STEMtokperimentsDSTF2022SHS>

with a subject format:

"#SCITOKPERIMENTS_JHS/SHS_SCHOOL"
(ex. **"#SCITOKPERIMENT_JHS_DMDPNHS"**).

DEPEDQUEZON-TM-SDS-04-009-003



"Creating Possibilities, Inspiring Innovations"

Address: Sitio Fori, Brgy. Talipan, Pagbilao, Quezon

Trunkline #: (042) 784-0366, (042) 784-0164, (042) 784-0391, (042) 784-0321

Email Address: quezon@deped.gov.ph

Website: www.depedquezon.com.ph



Republic of the Philippines
Department of Education
Region IV-A
SCHOOLS DIVISION OF QUEZON PROVINCE

9. The email should include: (1) the name of the participant; (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 for the competition category will automatically be disqualified.
10. DSTF 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.
11. Entries submitted to "#SCITOKPERIMENTSQUEZONPROVINCE" do not represent DepEd, and the DepEd-Quezon DSTF Technical Working Group.
12. The Tiktok Video will be judged according to the following criteria:

CRITERIA	PERCENTAGE
Originality and Creativity Video is original, creative and unique.	30%
Delivery/ Execution Delivery is well planned with smooth transitions and edits. Ideas are very organized and easily understood. All sound and visual elements coincide with the video's content.	30%
Accuracy of Content All information being delivered is accurate and relevant.	40%
TOTAL	100%

11. All participants are required to submit a signed Photograph, Video, and Voice Recording Consent, Waiver, Indemnity and Release Form to be attached to the entries.

DEPEDQUEZON-TM-SDS-04-009-003



"Creating Possibilities, Inspiring Innovations"

Address: Sitio Fori, Brgy. Talipan, Pagbilao, Quezon
Trunkline #: (042) 784-0366, (042) 784-0164, (042) 784-0391, (042) 784-0321
Email Address: quezon@deped.gov.ph
Website: www.depedquezon.com.ph



Republic of the Philippines
Department of Education
Region IV-A
SCHOOLS DIVISION OF QUEZON PROVINCE

Enclosure No. 9 in reference to DepEd Memorandum No. 038, s. 2022

NATIONAL SCIENCE AND TECHNOLOGY FAIR TIMELINE

ACTIVITY	DATE / SCHEDULE
School and Division Level Screening	May 30 - June 3, 2022
Regional Level Science and Technology Fair	June 27 - July 1, 2022
Submission of Entries for the National Science and Technology Fair	July 15, 2022
National Level - Preliminary Screening of Entries	July 18 - 22, 2022
National Science and Technology Fair Culmination Program and Awarding Ceremony	August 1 - 5, 2022

DEPEDQUEZON-TM-SDS-04-009-003



"Creating Possibilities, Inspiring Innovations"

Address: Sitio Fori, Brgy. Talipan, Pagbilao, Quezon

Trunkline #: (042) 784-0366, (042) 784-0164, (042) 784-0391, (042) 784-0321

Email Address: quezon@deped.gov.ph

Website: www.depedquezon.com.ph



Republic of the Philippines
Department of Education
Region IV-A
SCHOOLS DIVISION OF QUEZON PROVINCE

Enclosure No. 10 in Reference to DepEd Advisory 2786, s. 2022

Photograph, Video and Voice Recording Consent, Waiver, Indemnity and Release Form

Photographs, Videos and Recordings

I hereby grant permission to the Division, Regional and National Science and Technology Fair - Technical Working Committee and its representatives to photograph and video me, and otherwise capture my image, and to make recordings of my voice during the conduct of the Regional and National Science and Technology Fair.

I further grant the DSTF/RSTF/NSTF Technical Working Committee and its representatives the right to reproduce, use, exhibit, display, broadcast and distribute and create derivative works of these images and recordings in any media now known or later developed as well as my name for promoting or publicizing the Division, Regional, National Science and Technology Fair and its activities and for administrative, educational or research purposes.

I acknowledge that DepEd owns all rights to the images and recordings. First and Last Name
(Printed) _____ Name of School or Organization
(Printed) _____ E-mail _____
Phone _____ Parent/Guardian Name (if under age
18) _____

Waiver, Indemnity and Release

I hereby waive any right to inspect or approve the use of the images or recordings or of any written copy. I also waive any right to royalties or other compensation arising from or related to the use of the images, recordings or materials. I hereby release, defend, indemnify and hold harmless the DepEd and the Regional and National Science and Technology Fair Technical Working Group and their officials, employees or agents from and against any claims, damages or liability arising from or related to the use of the images, recordings or materials, including but not limited to claims of defamation, invasion of privacy, or rights of publicity or copyright infringement, or any misuse, distortion, blurring, alteration, optical illusion or use in composite form that may occur or be produced in taking, processing, reduction or production of the finished product, its publication or distribution. I am 18 years of age or older and I am competent to contract in my own name. I have read this document before signing below, and I fully understand the contents, meaning and impact of this consent, waiver, indemnity and release.

Name over Printed Signature (if 18 years or older)
_____ Date: _____

Name over Printed Signature of Parents/Guardian (if under age 18)
_____ Date: _____

DEPEDQUEZON-TM-SDS-04-009-003



"Creating Possibilities, Inspiring Innovations"

Address: Sitio Fori, Brgy. Talipan, Pagbilao, Quezon
Trunkline #: (042) 784-0366, (042) 784-0164, (042) 784-0391, (042) 784-0321
Email Address: quezon@deped.gov.ph
Website: www.depedquezon.com.ph



Republic of the Philippines
Department of Education
Region IV-A
SCHOOLS DIVISION OF QUEZON PROVINCE

Enclosure No. 11 to Division Memorandum No. _____, s. 2022

Division Science and Technology Fair DSTF 2022
DSTF REVIEW AND EVALUATION COMMITTEE

Committee	Name	School
Technical Team	Department Head: Juliana M. Arit Members: Ruel Arcega Jensen Ryan Lim Angel Angeles Aldous Jerome Santuyo	Lopez Comprehensive National High School
	Department Head: Imelda C. Lakian Members: Epifania A. Logmao Sarah A. Amparo Nico O. Beunaventura	Gumaca National High School
Program and Certificates	Department Head: Eliza D. Melinas Members: Lucelyn Noriesta-Almacen Rianne Karla M. Gandia	Dr. Maria D. Pastrana National High School
	Department Head: Ariel R. Vinas Members: Abigail Emma A. Zoleta Jeric M. Ilao Khristine Mae A. Montas Xyrine Z. Jael Roland John P. Himor	Quezon National High School
Consolidation of Entries	Harold Bert L. Distor John Rafael H. Laureles	Dr. Maria D. Pastrana National High School
Documentation and Newsletter	Department Head: Lucrecia L. Escritor Members: Melanie U. Flores Ma. Camille Anne Guevarra Gina P. Francis Alexis A. Parco	Atimonan National Comprehensive High School
	Department Head:	Paaralang Sekundarya ng Lucban Integrated School

DEPEDQUEZON-TM-SDS-04-009-003



"Creating Possibilities, Inspiring Innovations"

Address: Sitio Fori, Brgy. Talipan, Pagbilao, Quezon
Trunkline #: (042) 784-0366, (042) 784-0164, (042) 784-0391, (042) 784-0321
Email Address: quezon@deped.gov.ph
Website: www.depedquezon.com.ph



Republic of the Philippines
Department of Education
 Region IV-A
 SCHOOLS DIVISION OF QUEZON PROVINCE

	Caroline J. Vivares Members: Noel D. Deveza John Bera V. Fermin Shiela D. Oblea Giesyl C. Maranan	
Tally Sheet	Department Head: Avelino Bucad Jr. Members: Rio Celeste A. Reyes Dulce C. Regulto Ericson C. Mangubat Russel T. Soltura	Quezon Science High School
Tabulators	Department Head: Yolanda R. Aguas Members: Cynthia M. Salagoste Mary Jane A. Cuarto Joey Lyne D. Datingaling Candy L. Quevada	Lutucan Integrated National High School
Registration and Attendance/Attendance Sheet	Department Head: Neonita M. Mercado Member: Rowen M. Ursolino	Alabat Island National High School
	Department Head: Joselito A. Quitariano Member: Krista Mae T. Palma	Bondoc Peninsula Agricultural High School
Assisting the Judges for Each Competition	Department Head: Emelia R. Eclarin Members: Elmer C. Alcazar Marilyn M. Abueva Sohayla V. Ampatua Jenalyn I. Gapit	Recto Memorial National High School
	Head Teacher: Roumella V. Meollo Member: Celeste C. Escarda	Mauban North Central Elementary School

DEPEDQUEZON-TM-SDS-04-009-003



"Creating Possibilities, Inspiring Innovations"

Address: Sitio Fori, Brgy. Talipan, Pagbilao, Quezon
 Trunkline #: (042) 784-0366, (042) 784-0164, (042) 784-0391, (042) 784-0321
 Email Address: quezon@deped.gov.ph
 Website: www.depedquezon.com.ph