



Republic of the Philippines
Department of Education
REGION VII – CENTRAL VISYAS
Schools Division of Cebu Province

October 16, 2023

DIVISION MEMORANDUM

No. **438**, s. 2023

**CORRIGENDUM, ADDENDUM & UPDATES TO DIVISION MEMORANDUM NO. 388, s.
2023 CONDUCT OF THE 2023 GAD-COMPLIANT DIVISION SCIENCE
& TECHNOLOGY FAIR (ELEMENTARY & SECONDARY)**

To: Assistant Schools Division Superintendents
Chiefs, CID & SGOD
Public Schools District Supervisors/OICs
Public & Private Elementary & Secondary School Heads

1. This has the reference to Division Memorandum No.388, s.2023 titled **“2023 GAD-Compliant Division Science & Technology Fair (Elementary 7 Secondary)”**.
2. Item No. 1 now reads as follows:
This Office announces the conduct of the 2023 GAD-Compliant Division Science & Technology Fair (Elementary & Secondary) with the theme: **“Rebuilding Resilient Communities: Embracing Science and Technology for a Sustainable Future”** on October 23, 2023, Monday (8:00 am to 5:00 pm) at Buanoy National NHS, Balamban District 2, Balamban, Cebu.
3. The deadline for the submission of entries in soft copies to separate Google Drives for Tuklas, Siyensikula, and DigiTuro will be on October 18, 2023 (5:00 pm) subject to prescreening except “Sibol” to be announced online. Those non-qualifiers will be given certificates and they may attend as observers.
4. Participants of the DSTF 2023 are the First Place Winners in the different event categories at the district/municipal level, together with their coaches for the student category and the teacher contestant for the teacher category.
5. Each delegation shall take charge of the following:
 - 5.1 Participants’ Safety and Well-being;
 - 5.2 Parents’ Permit of Student-Participants;
 - 5.3 Delegation’s meals and snacks and contest materials;
 - 5.4 Sleeping Paraphernalia (for those who’ll arrive the day before); and
 - 5.5 List of participants/contestants with proper endorsement.
6. 2023 DSTF Winners and Awards
 - 6.1 Each category will have five (5) awards based on the ranking: 1st, 2nd, 3rd, 4th, and 5th.
 - 6.2 Each rank will be given a certificate of recognition and medals.
 - 6.3 Overall winners will be given certificates of recognition and trophies for ranks 1st, 2nd, and 3rd.



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or



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7. Please refer to Enclosures A & B for the Program Management Team (PMT), Working Committees, and Updated DSTF 2023 Guidelines and Regional Memorandum No. 756,s. 2023, dated October 10, 2023, for the guidelines of Siyensikula, Digituro, and the point system for your guidance and reference.
8. There shall be an urgent face-to-face meeting/ briefing of all the chairpersons of the working committees on Wednesday-October 18, 2023 at 8:00 a.m. in the CID section division office.
9. Teaching personnel performing their respective duties and responsibilities that fall on Sunday -October 22, 2023, shall be entitled to service credits tantamount to the services rendered during the non-working days, per DepEd Order No. 53, s. 2023 (Updated Guidelines on Grant of Vacation Service Credits to Teachers), while non-teaching personnel can avail of Compensatory Time Off (CTO) under the provision of CSC 7 DBM Joint Circular No. 2, s. 2004 (Non-Monetary Remuneration for Overtime Services Rendered).
10. There will be no registration fee. However, traveling, meals, snacks, per diem and other incidental expenses of learners and teacher contestants and coaches and school heads of the district winners shall be chargeable against **local school MOOE/PTA/SEF Funds**, subject to their availability and the usual accounting and auditing rules and regulations.
11. The honoraria of Judges, lunch, and snacks of the Program Management Team (PMT), Technical Working Groups (TWG) and panel of judges, trophies, medals and certificates, decorations, tarpaulins, and other DTSF 2023 materials and supplies shall be chargeable against **Division GAD Funds** while traveling, per diem, and other related expenses incurred by the Division office personnel shall be chargeable against **Division MOOE Funds** subject to the usual accounting and COA rules and regulations.
12. It is emphasized that participants are to adhere to strict compliance with the provision of DECS Order No. 09, s.2005, titled **“Instituting Measures to increase Engaged Time-on-Task or No Disruption of Classes Policy” and all other existing DepEd Policies and Regulations and Ensuring Compliance Therewith”**.
13. This Memorandum serves as **Authority to Travel**.
14. Immediate dissemination of and compliance with this Memorandum is directed.


SENEN PRISCILO P. PAULIN, CESO V
Schools Division Superintendent

<SPPP/VAY/LMD/FCL/CID/SGOD/MAPF/JEM>



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DIVISION SCIENCE AND TECHNOLOGY FAIR 2023

TUKLAS/ SIBOL AND INNOVATIONS EXPO GUIDELINES

(based on NSTF Handbook and DepEd-RO7 Regional Memo 756 s.2023)

1. SIP CONTEST- TUKLAS/ SIBOL

TUKLAS

1. The competition is open to Grades 9-12 learners of both public and private high schools in the Philippines who have not reached the age of 20 on or before May 1 of the current school year.
2. Learners may work individually or in teams with 2-3 members from the same school. Each learner is only allowed to submit one (1) research project in one (1) of the four (4) research categories: Life Science, Physical Science, Robotics and Intelligent Machines, and Mathematics and Computational Sciences. The project should include no more than 12 months of continuous research and should not include research activities performed before January of the previous school year. (e.g., For school year 2023-2024 with the target opening of classes on August 2023 and ISEF on May 2024, research projects may be accomplished within 1-12 month/s starting from January 2023 to January 2024)
3. Categories: Life Science (Individual and Team)
Physical Science (Individual and Team)
Robotics and Intelligence Machine (Individual and Team)
Mathematics and Computational science (Individual and Team)

4. Each district can only endorse 1 entry for each of the SIP categories. An endorsement letter signed by the PSDS and District Science Coordinator shall be submitted to the division office together with the research manuscripts.

SIBOL

1. This is a full research project or SIP contest for elementary pupils open to public and private schools. The team must have a minimum of 2 and a maximum of 3 pupils with 1 coach only. The team could be in the same grade level or combination of grade levels in key stage 2.
2. Only 1 team shall be endorsed by the district for division level screening.
3. The team can choose from any of the SIP categories: Life, Physical, RIM or Computational science.
4. All technical guidelines are the same in the SIP contest in the secondary level based on NSTF handbook.

B. DOCUMENTS to BE SUBMITTED ON or BEFORE OCTOBER 18, 2023, 12noon (TUKLAS/SIBOL)

Where to submit?

- Mrs. Juvimar E. Montolo, DepEd – Cebu Province IPHO Building, Sudlon Lahug Cebu City
- Minglanilla Science HS, Poblacion Ward 1, Minglanilla Cebu c/o Mrs. Romin R. Sanchez

| CODES | COLOR CODING |
|-------|--------------|
| LS-I | GREEN |
| LS-T | YELLOW |
| PS-I | ORANGE |
| PS-T | ORANGE |
| RIM-I | PINK |
| RIM-T | PINK |
| MCS-I | RED |
| MCS-T | PURPLE |

Research Manuscript (Full Research Paper)

- in **3 hardcopies** (use folders according to color code assigned for each category).
- **A4 SIZE paper, Times New Roman, 12 font size**
- APA Referencing Style for Life Science, Physical Science, RIM Category and Innovations Expo;

Research Paper shall include the following in correct order:

- Cover Page (Title of the Study, Proponents, Research Adviser, Date(Month,year))
- ISEF Abstract – (for content, refer to NSTF HANDBOOK, page 25-26)
- Table of Contents
- Research Paper(Introduction, Methods, Results, Discussion, Conclusion) (for details, refer to NSTF HANDBOOK, page 23-25)
- References
- Appendices
 - A. Approved Research Plan (for content, refer to NSTF HANDBOOK, page 23)
 - B. ISEF Forms (please refer to ISEF 2024 for the needed forms)
 - C. Scanned Project Data Book (for content, refer to NSTF HANDBOOK, page 23)



C. REQUIRED DOCUMENTS (SOFTCOPIES) to BE UPLOADED (for TUKLAS ONLY, SIBOL NOT REQUIRED)

Upload the following files to the drive link on or before Oct 18, 2023, 12noon

https://drive.google.com/drive/folders/1YwyilRy8RPICbdJ6n6Ec0mo_c4TctSQB?usp=sharing

- PDF file of the Approved Research Plan; Times New Roman; 12 Font Size
- PDF copy of the ISEF prescribed forms
- PDF copy of the logbook
- *PDF copy of the endorsement letter signed by the District Supervisor and District Science Coordinator (1 endorsement for all entries, just list down all the entries (category, title of the research study and the proponents) I one document).*

Use the following format for labelling,

| FOLDER CODE | CONTENT OF THE FOLDER | SAMPLE CONTENT OF THE FOLDER FOR FORMS |
|---|---|--|
| LS- I – MINGLANILLA *life science individual Minglanilla district | Manuscript: LS- I – MINGLANILLA- MinglanillaSHS | |
| | Folder containing the needed forms: LS- I – MINGLANILLA- FORMS <i>*name of the folder where all the soft copies of the necessary forms are found</i> | LS- I – MINGLANILLA- Form1 |
| | | LS- I – MINGLANILLA- Form2 |
| | | LS-I-RO1-Logbook |
| LS- I – MINGLANILLA LS – T- MINGLANILLA | → LS- I – MINGLANILLA- FORMS | →  LS- I – MINGLANILLA- Logbook.pdf  LS-I- MINGLANILLA-Form1.docx |

D. RESEARCH DISPLAY

Poster Display shall be printed in a Tarpaulin with the following dimensions: 2.5m high x 1 m wide, portrait format. All four corners of the tarpaulin should have eyelet and must be tied in a plastic straw. All tarpaulin posters will be displayed in the designated area in the contest venue. Use the format shown in the figure. Background design may be applied.

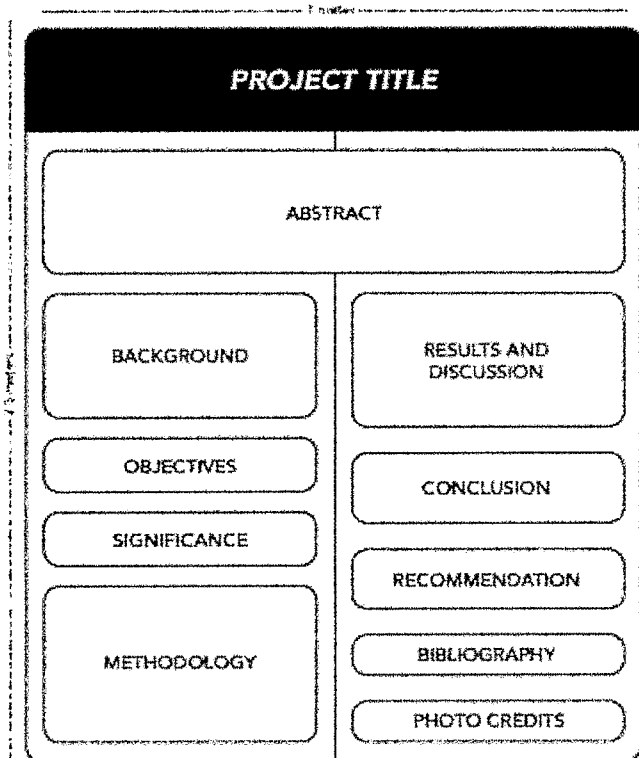
E. ORAL PRESENTATION (5 mins presentation, 5 mins Q&A, subject to change based on BOJ decision)

Only the top5 entries from the prejudging round will qualify for the Oral Presentation but all contestants shall prepare SLIDE DECKS for presentation:

- Maximum of 12 slides containing: TITLE PAGE, RATIONALE, PROBLEMS/OBJECTIVES/HYPOTHESIS, METHODS, TABULAR/ GRAPHICAL RESULTS including pictures/certifications; Conclusion
- 18-24 Font size, Bookman Old style,

Physical Project Board Dimension:

The dimensions of the project board may not exceed 2.5 m high and 1m wide.



2. INNOVATIONS EXPO

A Technology Innovation competition which aims to recognize the most creative and market viable project addressing major issues in food safety, water conservation, renewable energy, cyber security, road safety, health, disaster mitigation, agriculture, and environment.

Categories: Individual and Team (2 -3 members)

Content and Display Format (NSTF Handbook, page 30)

30

APPENDIX 5: Innovation Expo Paper Format

Title Page and Table of Contents: The title page and table of contents allow the reader to follow the organization of the paper quickly.

Introduction:

1. **Features and Specifications** - This describes the details of your invention.
2. **Market Trends and Opportunities** - This part of the report must include three items: what inspired you to develop this invention; an explanation of what problem your invention will solve; and possible suggestions and details that your invention does not exist yet. Explain what products are already on the market that are somewhat like your invention and describe how yours differs.

Materials and Methods: Describe in detail how you made your invention. Explain what materials, tools, parts and time you put them together to make your invention. Your report should be detailed enough so that someone would be able to repeat the steps and make your invention. Describe the steps you took to create the invention and when necessary, here, you must include a detailed drawing(s) of your invention.

Results and Discussion: This is the essence of your paper. Compare your results with theoretical values, published data, standards and related studies. Commonly held beliefs, needs and accepted results include a discussion of possible errors, statistics, graphs, pages with your raw collected data, and how the data vary between repeated observations of similar events? How were your results affected by uncontrolled events? What would you do differently if you repeated this project? What other experiments should be conducted?

Conclusions: This discusses the potential applications, possible customer benefits, and the impact of the invention on solving problems and issues of today and tomorrow.

Acknowledgments: This is a special credit to those who have helped you. This listing includes teachers, sponsors, and supporters of research institutions.

References: Bibliography: Your references list should be written based on the APA American Psychological Association style formatted and tabular.

APPENDIX 6: Innovation Expo Display Board Format

| Title | Description |
|------------------------------------|---|
| Introduction | Provide a brief introduction to your invention, your idea, or the problem you're solving. |
| Problem Statement | Clearly state the problem or challenge that your invention addresses. |
| Solution/Innovation | Describe your innovative solution, including a brief explanation of how it works. |
| Features and Specifications | Highlight the key features and specifications of your invention, listing any unique benefits or advantages. |
| Materials and Methods | List the materials used in your invention and describe the steps you took to create it. |
| Results and Discussion | Present the results of your invention, including any data, graphs, or images that demonstrate its effectiveness. |
| Benefits | Explain the benefits of your invention, highlighting how it solves the problem or improves upon existing solutions. |
| Visuals | Include any diagrams, photos, or illustrations that help visualize your invention and its components. |
| Conclusions | Summarize the key findings and conclusions of your invention, emphasizing its potential impact. |
| Future Development | Discuss any future plans or developments you have for your invention, including potential applications. |
| Developer's Name | Provide the name of the inventor(s) and contact information if applicable. |

Specifications: Each Display Board must have a 36" x 48" dimension (portrait style).

NOTE:

1. To submit hardcopies, on or before October 18, 12noon to Mrs. Juvimar Montolo, DepEd Cebu Province Division, IPHO Bldg, Sudlon Lahug Cebu City
 - in 3 hardcopies (us WHITE folder)
 - A4 SIZE paper, Times New Roman, 12 font size
 - APA Referencing Style
3. To upload Research Manuscript and Endorsement on or before Oct 18, 2023 . For labelling of file and where to upload softcopies, please refer to TUKLAS guidelines, IC
4. Research Display: 2.5m high x 1mwide, use tarpaulin
5. For Oral presentation, refer to TUKLAS guidelines IE

Enclosure B.

2023 GAD-COMPLIANT DIVISION SCIENCE & TECHNOLOGY FAIR

COMPETITIONS:

| EVENT | VENUE | |
|--|-----------------------------------|---|
| SIYENSIKULA | DLRC | Chairperson: GLYNN DEABANICO Co-Chair: JANICE B. CASAS MAR ANTERO R. CINEZA JIPIE S. CUYOS |
| DIGITURO | DLRC | |
| Overall : Chairperson: ROMIN R. SANCHEZ Assistant: JADE C. BACON | | |
| TUKLAS – LIFE SCIENCE EXHIBIT | GRADE 12 GROUND FLOOR & CORRIDORS | Co-Chair :IVY U LAPUERTA Member:KRISTYL P. PENARANDA |
| _ PHYSICAL SCIENCE EXHIBIT | GRADE 12 GROUND FLOOR & CORRIDORS | Co-Chair:JEAN P.. MORALES Member :GLADYS UY |
| -RIM EXHIBIT | SHS CHEMISTRY LAB | Co-Chair:JANE R. CEDENO Member:NONAH ALICAYA |
| MATH & COMPUTATIONAL SCIENCE | SHS PHYSICS LAB | Co-Chair : OLGA FERNANDEZ Member: JIMJUN F. RAMAS |
| INNOVATION EXPO EXHIBIT | SHS PHYSICS LAB | Co-Chair: JERAMEEL K. ESTRERA |
| TUKLAS – PS / RIM / MCS ORAL DEFENSE | COMPUTER LAB 1 | Committees In-Charged |
| TUKLAS – LS / INNOVATION EXPO DEFENSE | COMPUTER LAB 2 | Committees In-Charged |
| SIBOL EXHIBIT | JHS CHEMISTRY LAB | Chairperson: ALADIN E. CABANIG RAMIL MONTECILLO JENNIFER BAGUIO |
| SIBOL ORAL DEFENSE | JHS PHYSICS LAB | |

TECHNICAL/WORKING GROUP

OVERALL CHAIRPERSON: MRS. SUSAN C. TRIBUNALO
MR. EDWIN MARIBAO

A. MEDICAL COMMITTEE:
MRS. LEA U. CABUDBUD
MRS. KATHLEEN B. CABACABA

B. DECORATION COMMITTEE:
MRS. RIMA JOY D. TEJAM
MR. HARLEY M. SILVA
BNHS MAPEH DEPARTMENT

C. PROGRAM AND INVITATION COMMITTEE:
MRS. SHEENY BELLE M. MANCIA
MRS. MERLENE T. MILLOR
BNHS ENGLISH DEPARTMENT

D. PHYSICAL ARRANGEMENT/AFTERCARE COMMITTEE:
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MR. LYNDEL ELEANORE R. SEROY
BNHS AP/ESP DEPARTMENT

E. FOOD COMMITTEE:
MRS. FLORESA L. ABABA
MRS. BESSY V. CASTAÑARES
MRS. MARSHA AYLAL. LABOR
FBS IMMERSION STUDENTS
BNHS TLE DEPARTMENT

F. REGISTRATION/USHERETTE COMMITTEE:
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MRS. JEANETH S. MENORAS
MRS. MARIA YVONNE N. PIASAN
FILIPINO DEPARTMENT
SSLG
SELECTED GRADE 9 & 10 STE STUDENTS

G. SOUND SYSTEM COMMITTEE:
MRS. ASTRED C. VERAL
Ms. APRIL BABET D. BUHIA
MR. RUBEN D. TEJANO

H. DOCUMENTATION COMMITTEE:
MRS. AILEE MAE A. VILLO
MS. MARIFE M. CAMOSA

I. BILLETING COMMITTEE:
MRS. NORI B. BAUTRO
MRS. GLENDEL P. TUBURAN
BNHS MATH DEPARTMENT

J. AWARDS & CERTIFICATES COMMITTEE:
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MRS. NORI B. BAUTRO
MS. KRISTEL FAYE S. CAPACIO
MRS. ARNIE MARIE THERESE D. PINEDA

K. FINANCE COMMITTEE:
MRS. SUSAN C. TRIBUNALO
MR. REINO D. PASAY
PTA BOD

G. RECORDERS

MERLINDA LORENZANA
CRISPINA AMBRAD

PARKING AREA: --- FRONT OF I LOVE BUANOY -- MR. RENE A. BORGONIA
MR. FELIX BERNARD R. MILAN
MR. JUDY C. SINGIT

BILLETING QUARTERS:

STE BUILDING, GRADE 12 BUILDING, AND CLASSROOMS OCCUPIED BY GRADE 12

| CLASSROOMS | MUNICIPALITIES |
|-------------------|--------------------------------|
| DIAMOND | BARILI AND ALOGUINSAN |
| GOLD | PINAMUNGAJAN AND BALAMBAN |
| NARRA | ASTURIAS AND TUBURAN |
| MOLAVE | TABUELAN AND SAN REMEGIO |
| TOPAZ | MEDELLIN AND DAAN BANTAYAN |
| SILVER | BANTAYAN AND SANTA FE |
| SAMPAGUITA | MADRIDEJOS AND TABOGON |
| DAISY | ALCANTARA AND ALEGRIA |
| 12 HUMSS -A | DUMANJUG AND GINATILAN |
| 12 HUMMS-B | MALABUYOK, MOALBOAL AND BADIAN |
| 12 STEM – B | SAN FRANCISCO AND TUDELA |
| 12 STEM- A | ARGAO, BOLJOON AND ALCOY |
| 12 ABM - A | DALAGUETE AND SAMBOAN |
| 12 ABM - B | SANTANDER AND RONDA |
| 12 ARTS & DESIGN | MINGLANILLA AND SAN FERANDO |
| 12 HUMSS - E | SIBONGA AND OSLOB |
| 12 FBS | CARMEN, CATMON & SOGOD |
| 12 SMAW - A | COMPOSTELA AND CONSOLACION |
| 12 HUMSS- D | CORDOVA AND LILOAN |
| 12EIM | PILAR AND PORO |

Prepared by:



JUVIMAR E. MONTOLO

Education Program Supervisor-Science