



Republic of the Philippines  
**Department of Education**  
REGION XI  
**SCHOOLS DIVISION OF DAVAO DE ORO**



Office of the Schools Division  
Superintendent

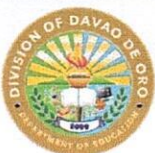
November 23, 2023

DIVISION MEMORANDUM  
No. 979, s. 2023

**DIVISION SCIENCE AND TECHNOLOGY FAIR (DSTF) 2023**

To: Public Schools District Supervisor  
District Coordinating Principals  
Secondary Public & Private School Administrators  
All Others Concerned

1. In preparation for the upcoming Regional Science and Technology Fair (RSTF) 2023 this SY 2023-2024, the Schools Division Office of Davao de Oro through the Curriculum Implementation Division (CID), will hold the Division Science and Technology Fair 2023 on November 28, 2023, 8:00 am – 5:00 pm, at Nabunturan National High School, Nabunturan, Davao de Oro.
2. The objectives of the 2023 DSTF are the identification of the most innovative student science research studies in the Division and the promotion of science, technology, engineering, and mathematics (STEM) consciousness among the youth. With the theme: **“Rebuilding Resilient Communities: Embracing Science and Technology for a Sustainable Future”**, this year's fair will give the public a unique experience on how science, technology, and engineering work for a better life and for a sustainable future.
3. There will be 5 contested areas namely Life Science, Physical Science, Robotics and Intelligent Machines, Mathematics and Computational Science, and Science Innovation Expo with two (2) categories- Individual and Group (maximum of 3). Only the top 2 entries in every area will represent the Division of Davao de Oro in the RSTF 2023. All entries are welcome in all secondary schools and in all levels. Private schools are also welcome.
4. The submission of 3 hard copies of the manuscripts and its complete attachments shall be at 7:00 AM on November 28, 2023, at Nabunturan National Comprehensive High School. However, the electronic copies of the research studies in PDF format should be submitted on or before November 26, 2023, the email address: [emmanuel.clarion001@deped.gov.ph](mailto:emmanuel.clarion001@deped.gov.ph). Any manuscripts submitted after the specified date will no longer be accepted.



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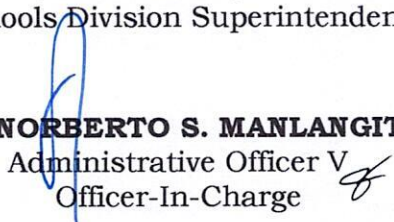
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Your strict adherence to the deadline is crucial, as these manuscripts must undergo screening and evaluation before the contest.

5. The complete details of the event mechanics and guidelines are found in the enclosure. It is important to note that any updates to the guidelines will be implemented upon the release of the latest issuance from the DepEd Central Office. All participating schools are encouraged to review the relevant DepEd memorandum for further guidance on this matter.
6. Immediate and wide dissemination of this Memorandum to those concerned is earnestly desired.

By the Authority of the  
Schools Division Superintendent:

**ENGR. NORBERTO S. MANLANGIT MPA**  
Administrative Officer V  
Officer-In-Charge 



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**GUIDELINES ON THE 2023 DIVISION SCIENCE AND TECHNOLOGY FAIR**

Similar to previous division-level fairs, the 2023 Division Science and Technology Fair follows the guidelines of the Regeneron ISEF (formerly INTEL ISEF), as reiterated in a DepEd Memorandum.

The annual Division Science and Technology Fair aims to select the Division's entries for the Regional Science and Technology Fair, which subsequently identifies the representatives of the Davao Region for the National Science and Technology Fair (NSTF). The NSTF is the most prestigious student science research competition in the country and has produced numerous winners in the INTEL ISEF, now the Regeneron ISEF, competition.

For this year's DSTF, student research studies are classified into the following categories: Life Science, Physical Science, Robotics and Intelligent Machines (**RIM**), Mathematics and Computational Science (MCS), and Science Innovation Expo (SIE).

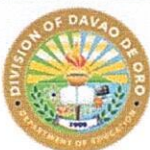
Below are the mechanics and guidelines of the Fair:

1. The Science and Technology Fair is **open to Junior and Senior High School students from both public and private schools.**

2. Schools are enjoined to refer to the **International Rules for Pre-College Science Research: Guidelines for Science and Engineering Fairs 2023 - 2024** found in **<https://www.societyforscience.org/isef/international-rules/>**.

Participating students must be selected by an ISEF-Affiliated Fair and meet the following criteria:

- Be in Grades 9 to 12 or equivalent and not have reached the age of 20 on or before May 1 preceding the ISEF.
- Each student is permitted to enter only one project, which must involve **no more than 12 months of continuous research and cannot include research conducted before January 2023.**
- Team projects are limited to a maximum of three members. Projects categorized as demonstrations, 'library' research, informational projects, and/or 'explanation' models are not recommended or appropriate for the International Science and Engineering Fair (ISEF).
- Project documentation should begin before experimentation with the current forms available. Every student must complete the



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Student Checklist (IA), a Research Plan/ Project Summary and Approval Form IB and review the project with the Adult Sponsor in coordination with completion by the Adult Sponsor of the Checklist for Adult Sponsor.

- Each project is expected to have a Research Adviser and an Institutional Review Board (IRB) or a Scientific Review Committee (SRC).
- A research project may be a part of a larger study performed by professional scientists, but the project presented by the student must be only on their own portion of the complete study.
- It is emphasized that **team membership cannot be changed during a given research year** unless there are extenuating circumstances and the local SRC reviews and approves the change, including converting a team project to an individual project or vice versa. Such conversions must address rationale for the change and include a clear delineation between research preceding the change that which will follow. A memorandum documenting this review and approval should be attached to Form IA. **Once a project has competed in a science fair at any level, team membership cannot change, and the project cannot be converted from an individual project to a team project or vice versa.**

3. The Science and Technology Fair will commence at the school level, eventually progressing to the cluster level. All participating public and private schools must coordinate with their respective Cluster Science Coordinator or the Public Schools District Supervisor/Cluster Head to determine the schedule of the Cluster Science and Technology Fair. The Cluster Science Coordinator, upon receiving approval from the Cluster Head, will then submit the list of entries to the division, adhering to Items 3 and 4 - Page 1 of this Memorandum. Subsequently, the DSTF winners will proceed to the Regional Science and Technology Fair during the 1st Week of December 2023.

4. The following are the forms and manuscripts to be submitted:
- I. Research Plan
  - II. Regeneron ISEF Forms for All Projects
    1. Checklist for Adult Sponsor
    2. Student Checklist (IA)
    3. Research Plan (No need to attach the Research Plan instructions.)
    4. Approval Form (IB)
    5. Regulated Research Institutional/ Industrial Setting Form (IC)



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- III. FORMS depending on the type of research (e.g. involving humans, vertebrate animals, hazardous chemicals, etc.)
1. Qualified Scientist Form (2)
  2. Risk Assessment Form (3)
  3. Human Participants Form (4)
  4. Human Informed Consent Form
  5. Vertebrate Animal Form (SA)
  6. Invertebrate Animal Form (SB)
  7. Potentially Hazardous Biological Agents Risk Assessment Form (6A)
  8. Human and Vertebrate Animal Tissue Form (6B)
  9. Continuation Project Form (7)
- VI. Abstract (Maximum of 250 words)
- V. Research Paper
- VI. Project Evaluation Form
- VII. Project Data Book (Scanned Copy of the Data Book in PDF Format should also be available)

5. The research paper, Project Data Book, and any necessary forms or relevant written materials should be prepared and made available, following the IMRAD-C Format.

In the submission of electronic copy (in pdf format) of the research studies (incl. the project data book & relevant ISEF Forms), the following filename format shall be observed:

Life Science Individual: LSI\_ResearchTitle\_Surname of Researcher  
Life Science Team: LST\_ResearchTitle\_Surname of Researchers  
Physical Science Individual: PSI\_ResearchTitle\_Surname of Researcher  
Physical Science Team: PST\_ResearchTitle\_Surname of Researchers  
RIM Individual: RIMI\_ResearchTitle\_Surname of Researcher  
RIM Team: RIMT\_ResearchTitle\_Surname of Researchers  
MCS Individual: MCSI\_ResearchTitle\_Surname of Researcher  
MCS Team: MCST\_ResearchTitle\_Surname of Researchers  
SIE Individual: SIEI\_ResearchTitle\_Surname of Researcher  
SIE Team: SIET\_ResearchTitle\_Surname of Researchers

6. All projects must undergo screening by the Institutional Review Board (IRB) Scientific Review Committee at the school or cluster level. Additionally, all cluster-level entries/winners must undergo evaluation by the Division SRC & meet the required criteria to qualify for participation in the DTSF.

7. Science research studies representing the Cluster and winners at the Cluster Level should be officially endorsed by the Cluster Head to



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the Division Office for the 2023 DSTF.

8. The schedule for the different categories is as follows:

<b>Date</b>	<b>Categories to be Competed</b>
November 28, 2023	Life Science, Physical Science, RIM, MCS, and Science Innovation Expo Categories

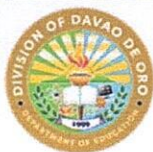
Participating entries that have successfully qualified the Division Scientific Review are instructed to **participate exclusively on the designated date assigned for their specific event/category**. While research mentors are permitted to attend on both days, it is advised that student-researchers be present only during their schedule.

9. The criteria for evaluating Life Science, Physical Science, RIM, and MCs entries are provided in the table below:

<b>Criterion</b>	<b>Maximum Points</b>
Creative Ability	30 Points
Scientific Thought/ Engineering Goals	30 Points
Thoroughness	15 Points
Research Skill	15 Points
Clarity	10 Points
<b>Total</b>	<b>100 Points</b>

The criteria for evaluating the Innovation Expo entries are provided in the table below:

<b>Criterion</b>	<b>Maximum Points</b>
Originality & Innovation	30 Points
Community Connection and Impact	25 Points
Functionality and Quality	25 Points
Utilization of Patent Information	20 Points
<b>Total</b>	<b>100 Points</b>



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