



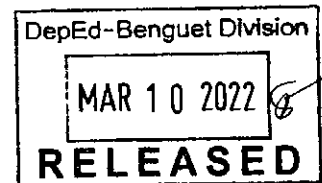
Republic of the Philippines
Department of Education
Schools Division of Benguet

DIVISION MEMORANDUM

March 7, 2022

No. 77, S 2022

TO: Public Schools District Supervisors
 Elementary and Secondary School Heads
 Elementary and Secondary Math Teachers



FROM: **GLORIA B. BUYA-AO**
 Schools Division Superintendent

SUBJECT: 2022 Division Mathematical and Science Festival

1. The Schools Division Office will conduct Division Mathematics and Science Festival on May 12-13, 2022 with the theme, **“Mathematics, Science and Technology for the people: Enabling Technologies for Sustainable Development in the New Normal”**
2. The activity aims to:
 - a. facilitate the integration of learning outcomes in Mathematics and Science across curriculum area within the Basic Education K-to-12 Curriculum;
 - b. provide learners with the opportunity to discover the practical applications of Mathematics and Science;
 - c. develop learners Mathematically and Scientifically on research and communication skills; and
 - d. support independent and collaborative learning.
3. The schedule of submission of entries at the division office will be on April 21, 2022. Submit the manuscripts in 3 copies.
4. The following are the contested activities;

A) Mathematical Investigation

Key Stage	Categories	
	Individual	Team
Key Stage 2 (Grades 4 to 6) Elementary	Top 5 projects per District	Top 5 Projects per District
Key Stage 3 (Grades 7 to 10) Junior HS		
Key Stage 4 (Grades 11 to 12) Senior HS		



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B) Science Investigatory Project

Key Stage	Categories	
	Individual	Team
Elementary (Life and Physical Science)	Top 5 projects per District	Top 5 projects per district
Junior HS		
a) Life Science b) Physical Science		

Note: for Team projects, a maximum of 3 members per project.

- For the guidelines on the conduct of mathematical investigation and science investigatory project, same guidelines. See attached
- There will be three (3) winners in each category per stage: first place, second place and third place.
- The districts may add other activities at their level for the conduct of the said festival and they may schedule at their own convenient schedule before April 21, 2022.
- Expenses relative to the conduct of the activity shall be charged against local funds or other local sources subject to the usual accounting and auditing rules and regulations.
- Immediate dissemination of and strict compliance with this memorandum is desired.

cid/Wilfred/merlyn 2022

GLORIA B. BUYA-AO
 Schools Division Superintendent



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Enclosure

A) Mathematical Investigation Manuscript

A. Elements

The following shall be the main parts of the mathematical investigation manuscript.

- I. Endorsement from your school
- II. Entry Form (See attached document)
- III. Declaration of Anti-Plagiarism (See attached document)
- IV. Title Page
- V. Table of Contents
- VI. Mathematical Situation
 - o Attaining familiarity with the mathematical situation
- VII. Statement of the Problem
 - o Defining the problem
 - o Attaining familiarity with the problem
- VIII. Investigation Proper
 - o Conducting the **instigation**
 - o **Organizing the data**
 - o **Searching for pattern**
- IX. Statement and Justification of Conjectures
 - o Making conjectures
 - o Proving or justifying conjectures
 - o Making extensions
- X. Summary of Results
 - o Writing generalizations
- XI. References o APA format
- XII. Appendices



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B. Typography

Font Style: Arial

Font size (text and headings): 12 pt. (key stage 2)/ 11 pt. (key stages 3-4)

Text alignment: Left

Paper size: A4

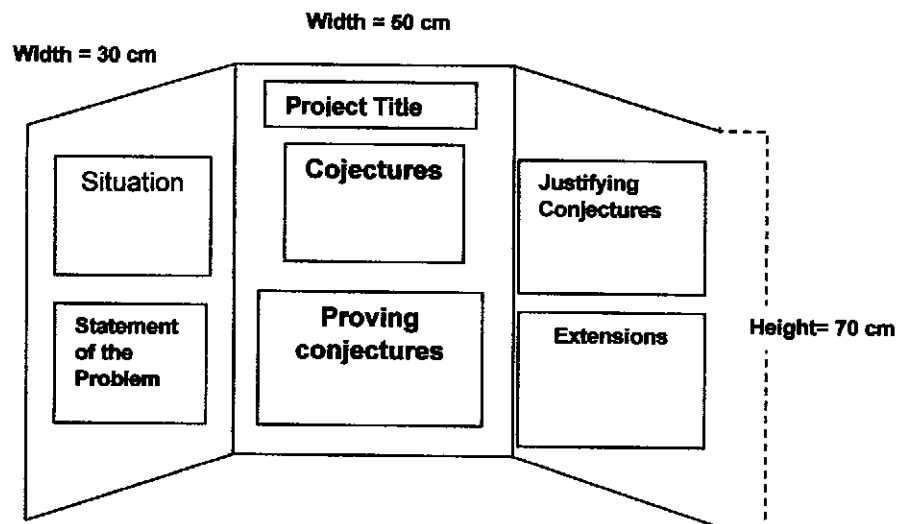
Margin: 1 inch in all sides

Spacing between lines of text: 1.0

Spacing between paragraphs and headings: 2.0

Page numbering: Right bottom of page

Exhibit: Mathematical Investigation



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2022 Mathematical Investigation Activity — Entry Form

School Name:

District:

Key Stage: [2 Gr. 4-6 (KS-2)] [2 Gr. 7-10 (KS-3)] C] Gr. 11-12 (KS-4)

Entry

Category: Individual Team

MI Title:

Individual or Group Entry: (For group entry, 2 or 3 members only)

Surname, Given Name, MI	Contact No.	Email Address

Coach Information: (One coach per entry)

Surname, Given Name, MI	Contact No.	Email Address



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DECLARATION OF ANTI-PLAGIARISM

1. I/ We, Name of Proponent/s, understand that plagiarism is the act of taking and using another's ideas and works and passing them off as one's own. This includes explicitly copying the whole work of another person and/ or using some parts of their work without proper acknowledgment and referencing.
2. I/ We hereby attest to the originality of this mathematical investigation manuscript and have cited properly all the references used. I/ We shall use appropriate citations in referencing other works from various sources.
3. I/We understand that violation from this declaration and commitment shall be subject to consequences (disqualification from the competition, etc.) and shall be dealt with accordingly by the Department of Education Cordillera Administrative Region.

Proponent Name and Signature

DATE: _____

Proponent Name and Signature

DATE: _____

Proponent Name and Signature

DATE: _____



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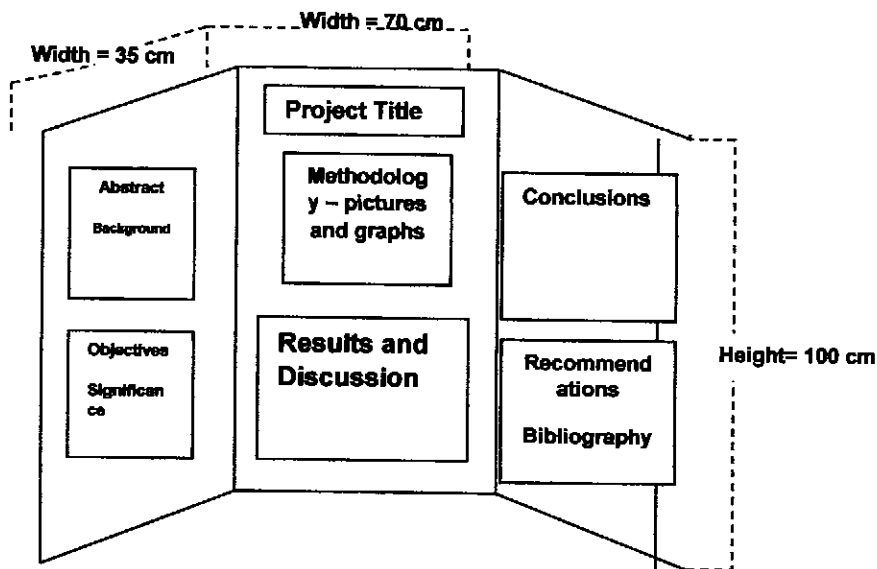




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↓ **Science Investigatory Project**

The Exhibit: Science Investigatory Project
Size of Project



The project display using sets of any paper or board summarizes the research project and must focus on the proponent's work for this year's study, and if applicable, with only minimal reference to previous research.

Required to be displayed: Science Investigatory Project: a) Abstract b) Background c) Objectives d) significance e) Schematic diagram of the research methodology f) Data g) Results and discussion h) Conclusions i) Recommendations (Include illustrations and graphs)

Note: proponent should not include his/her face in the project's procedure/illustration in the display.

Required to be presented by the Project Proponent to the BOJs during the exhibit:

- Copy of the required forms
- Copy of the research write-up
- Logbook or project data book or student journal complete with dates of entry, number of pages and all other details (refer also at ISEF student's handbook)
- No tarpaulin, use card board or plywood, no border line.



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