

Republic of the Philippines

Department of Education

NATIONAL CAPITAL REGION



REGIONAL MEMORANDUM

ORD-2024-, 1027

TO:

SCHOOLS DIVISION SUPERINTENDENTS

Math and Science Education Program Supervisors

SUBJECT :

2024 Regional Science and Technology Fair (RSTF)

DATE

October 3, 2024

- 1. The Department of Education National Capital Region through the Curriculum Learning and Management Division (CLMD), shall conduct the **above captioned activity** with the theme "Towards a Shared Vision: Exploring the Future for a Better Tomorrow" on November 6-8, 2024, to be hosted by SDO Quezon City.
- 2. This event integrates the cultivation of essential research skills such as critical thinking, problem-solving, and the stimulation of innovation and creativity. These competencies not only propel academic success but also prepare the students for excellence in their future academic pursuits and careers. Likewise, it aims to identify the most creative/innovative and the best student researchers who will represent the region in the upcoming National Science and Technology Fair (NSTF) in March 2025.
- 3. The conduct of the school and division Science and Technology Fair (STF) shall be held in the following months:

Level	Date
School S & T Fair	September/October 2024
Division S & T Fair	October 2024

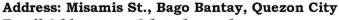
4. The official participants to the 2024 Regional Science and Technology Fair shall only be the Rank 1 of the Division Science and Technology Fair (DSTF) and Regional Science High School in each of the different categories and whose entries have been approved Regional Scientific Review Committee. Substitutes shall not be allowed. The description and the maximum number of official participants are the following:

Maximum Number Participants per SDO	of	Student	Individual	Team (maximum of 3)
1. Life Science Category			1	3
2. Physical Science Cate	gory		1	3









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Doc. Ref. Code	RO-ORD-F004	Rev	00
Effectivity	01.26.23	Page	1 of 2





Republic of the Philippines

Department of Education

NATIONAL CAPITAL REGION

3. Robotics and Intelligent Machines Category	1	3
4. Mathematics and Computational Science Category	1	3
5. Science Innovation Expo	1	3
TOTAL	5	15
Grand Total		20

- 5. Participants, trainers and Regional Technical Working Group shall be entitled to service credits in accordance with DepEd Order No. 53, s. 2003 entitled Updated Guidelines on the Grant of Vacation Service Credits to teachers. However, non teaching personnel including Management Staff shall be given with Compensatory Time-Off (CTO) per Civil Service Commission (CSC) and Department of Budget and Management (DBM)Joint Circular No.2, s.2004 on Non-Monetary Remuneration for Overtime Service Rendered, specific attention on Section 5.
- 6. The soft copy of the official division entries must be submitted on **October 18**, **2024**, **from 8:00 AM to 5:00 PM only**. The OneDrive link for submission will be provided to the NCR Science and Math Supervisors' Group. Additionally, Division Math and Science Supervisors are requested to submit and upload the report on the conduct of the Division Science and Technology Fair, along with the data of all Science and Math research entries in Excel format, following the template in Enclosure No. 5, by October 30, 2024. Failure to submit the report on time shall disqualify the Division from the 2024 Regional Science and Technology Fair.
- 7. Regional and Division Math and Science Supervisors or assigned Focal Persons under the Curriculum and Instruction Division and/or the Curriculum Implementation Division shall lead the conduct of the school, division, and regional level Science and Technology Fair respectively.
- 8. The following documents are enclosed, for information and guidance of all concerned:

Enclosure No. 1-A Official Delegates to RSTF 2024

Enclosure No. 1-B Guidelines on the RSTF 2024

Enclosure No. 2 Schematic Diagram on the Flow of Activities Enclosure No. 3 Timelines of Activities and Requirements

Enclosure No. 4 Working Committees

Enclosure No. 5 Format of the Data and Report

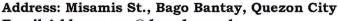
Enclosure No. 6 Scientific Review Committee (SRC) Form and

Recommendation Report Form; and









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Doc. Ref. Code	RO-ORD-F004	Rev	00			
Effectivity	01.26.23	Page	2 of 2			





Republic of the Philippines

Department of Education

NATIONAL CAPITAL REGION

Enclosure No. 7	BOJ Project Evaluation Form
Enclosure No. 8	Innovation Expo Screening Form
Enclosure No. 9	Innovation Expo Judges Form
Enclosure No. 10	NCR Research Science Investigatory Project Style
	Book
Enclosure No. 11	Non-disclosure Agreement for SRC/BOJ
Enclosure No. 12	Learner Media Release and Consent Form

8.1 Further, Division Math and Science Supervisors/ Coordinators, School Heads and participants are expected to download soft copies of the International Rules for Pre – college Science Research: Guidelines for Science and Engineering Fair 2024 and required forms. Resources can be accessed through this link:

http://bit.ly/RSTFNCRForms



- 9. Expenses incurred during the conduct of the 2024 RSTF shall be charged to the local funds and other sources, subject to the usual accounting and auditing rules and regulations.
- 10. Immediate dissemination of this Memorandum is desired.

JOCELYN D.R. ANDAYA

Director IV

Encls:

As stated

Reference:

DepEd Order 21, s.2019 DepEd Order 68, s.2023

DepEd Order 10, s.2024

To be indicated in the Perpetual Index

under the following subjects:

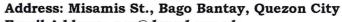
CELEBRATIONS AND FESTIVALS

CONTESTS LEARNING AREA, Science SCHOOLS STUDENTS









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Doc. Ref. Code	RO-ORD-F004	Rev	00
Effectivity	01.26.23	Page	3 of 2



Enclosure No. 1-A Official Delegates to RSTF 2024

A. If all projects are approved by the Regional Scientific Review Committee (RSRC), there shall be a maximum number of 30 official participants per division. Substitutes are not allowed.

The description and maximum number of official participants are the following:

Description of Official participants per Division/	Maximum Nu Participa		TOTAL		
Regional Science HS	Participants	Coach			
Life Science Category		<u></u>			
Individual	1	1	2		
Team	3	1	4		
Physical Category		•			
Individual	1	1	2		
Team	3	1	4		
Robotics and Intelligent Machines Category					
Individual	1	1	2		
Team	3	1	4		
Mathematics and Computat	ional Science (Category			
Individual	1	1	2		
Team	3	1	4		
Science Innovation Expo (SIE)					
Individual	1	1	2		
Team	3	1	4		
TOTAL	20	10	30		

The official representatives are the SDO's first place winner/s in their respective DSTF.

Enclosure No. 1-B Guidelines on the RSTF 2024

GUIDELINES ON THE REGIONAL SCIENCE AND TECHNOLOGY FAIR (RSTF) 2019

The 2024 Regional Science and Technology Fair (RSTF) is in line with the National Science and Technology Fair which is an ISEF-affiliated fair. As such, the requirements for affiliated fairs should be met and followed as stated in the ISEF 2024-2025 guidelines

1.The Research Competition

The competitions will be conducted among **Grade 9 to Grade 12** learners from both public and private schools. The **first-place winners in each of the categories at the DIVISION level** shall represent the SDO to the Regional STF competition as approved by the Regional Scientific Review Committee (SRC).

The competition will start at the school level advancing to the division, regional, national, then to the international level. The Regional Science High School (RSHS) is expected to join the regional fair directly. RSHS may submit only one entry per category. The participation of schools in the RSTF shall be clustered into five major categories: Life Science, Physical Science, Robotics and Intelligent Machines, Mathematics and Computational Science, Science Innovation Expo.

Life Scie (LS)	ence	Physical (PS)	(PS)		Intelligent and Machines (RIM) Compu		Mathematics and Computational Science (MCS)		Science Innovation Expo (Gawad AgLiTekno)	
Individual	Team	Individual	Team	Individual	Team	Individual	Team	Individual	Team	
Project	Project	Project	Project	Project	Project	Project	Project	Project	Project	

RESEARCH CATEGORIES

Life Science (LS)

This category deals with living organisms such as plants, microorganisms, and animals including humans and their life processes. Projects that involve systematic observation, development, experimentation, and understanding of living things and biological processes belong to this category. Subcategories include Animal Sciences, Biomedical and Health Sciences, Cellular and Molecular Biology, Microbiology, Plant Sciences, and Translational Medical Science.

Physical Science (PS)

This category deals with the nature and properties of non-living matter, energy and systems. Projects that involve systematic observation, development, experimentation, and understanding of materials and phenomena belong to this category. Subcategories include Astronomy, Chemistry, Earth and Environmental Sciences, Energy, Engineering Technology, Statics and Dynamics, Sustainable Materials and Design, Environmental Engineering, Materials Science, and Physics.

Robotics and Intelligent Machines (RIM)

This category deals with the design, implementation, and use of prime technologies and machine intelligence in providing a wide range of innovative solutions and advancements across multiple disciplines to reduce reliance on human intervention. Subcategories include Biomechanics, Cognitive Systems, Control Theory, Machine Learning, and Robot Kinematics.

Mathematics and Computational Sciences (MCS)

Mathematics deals with the measurement, properties, and relationships of quantities and sets using numbers and symbols. Subcategories include Algebra, Analysis, Combinatorics, Graph Theory, Game Theory, Geometry and Topology, Number Theory, and Probability and Statistics.

Computational Science deals with the development and implementation of mathematical models and simulations to understand natural systems and processes, and solve STEM problems using computers. Subcategories include Computational Biology and Bioinformatics, Computational Chemistry, Computational Mechanics, and Theoretical, Computational and Quantum Physics.

Science Innovation Expo (Gawad AgLiTekno)

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.

UPDATED CHECKPOINTS FOR SRC REVIEW

Checklist for SRC Review

This document was developed to provide guidance for an SRC to review a project after experimentation. The forms may be accessed through this link: https://www.societyforscience.org/isef/forms/

Type of Form	Who will fill out?	When to fill out?	When is it required?
Form 1 - Checklist for Adult Sponsor	Research Adviser	Before experimentation	Required for all Projects
Form 1A - Student Checklist	All student researchers	Before experimentation	Required for all Projects
Form 1B -	All student	Before	Required for all Projects
Approval Form Research Plan/Project Summary	researchers All student researchers	Before experimentation	Required for all Projects
Form 1C - Regulated Research Institution/In dustrial Setting Form	Adult supervising	After experimentation	Required if research is conducted in a regulated research institution, industrial setting or any work site other than home, school or field
Form 2 - Qualified Scientist Form	Qualified Scientist/Adult Supervising	Before experimentation	Required if research involves human participants, vertebrate animals, potentially hazardous biological agents and hazardous
Form 3 - Risk Assessment Form	Student Researcher/s, Qualified Scientist/Adult Supervising	Before experimentation	Required for all Projects
Form 4 - Human Participants Form	Student Researcher/s, Institutional Review Board* *see note below for IRB	Before experimentation	Required if research involves human participant (*If in a regulated research institution use institutional approval forms)
Form 4A - Human Informed Consent Form	Student Researcher/s, Research Participant	Before experimentation	Required if research involves human participant
Form 5A - Vertebrate Animal Form	Student Researcher/s, Scientific Review Committee, Veterinarian,	Before experimentation	Required for all research involving vertebrate animals conducted in a school/home/field research site

Form 5B -	Designated Supervisor/Qualified Scientist Student	Before	Required for all research
Vertebrate Animal Form	Researcher/s, Qualified Scientist	experimentation	involving vertebrate animals in a regulated research institution
Form 6A - Potentially Hazardous Biological Agents Risk Assessment Form	Student Researcher, Qualified Scientist/Designated Supervisor, Scientific Review Committee	Before experimentation	Required for research involving microorganisms, rDNA, fresh/frozen tissue (including primary cell lines, human and other primate established cell lines and tissue cultures), blood, blood products, and body fluids
Form 6B - Human and Vertebrate Animal Tissue	Student Researcher, Qualified Scientist/Designated Supervisor	Before experimentation	Required for research involving fresh/frozen tissue (including primary cell lines, human and other primate established cell lines and tissue cultures), blood, blood products and body fluids. If the research involves living organisms, please ensure that the proper human or animal forms are completed.
Form 7 - Continuation/ Research Progression Projects Form	Student Researcher	Before experimentation	Required for projects that are a continuation/progressio n in the same field of study as previous project

*IRB - Institutional Review Board

An Institutional Review Board (IRB) is a committee that must evaluate the potential physical or psychological risk of **research involving human subjects**. All proposed human research must be approved prior to experimentation. **This includes any surveys or questionnaires to be used in a project**. An IRB must consist of at least three members: a science teacher, a school administrator, and a psychologist, psychiatrist, medical doctor, physician's assistant, or registered nurse. The adult sponsor, parents, qualified scientist, or the designated supervisor overseeing a project must not serve on the IRB reviewing that project

Forms Needed and Manuscript for Research Competition

The following are the forms and manuscripts to be submitted in all levels of the competition. The hard copy to be submitted during the Preliminary Day of the Fair should have earmarks and should be arranged accordingly to this list.

- 1. SRC Form (See Enclosure No.6)
 Regional SRC FORM (Blank Form)
 - Division SRC FORM (Accomplished for by the SRC with signature) School SRC FORM (Accomplished for by the SRC with signature)
- 2. FORMS for all the projects
 - A. Checklist for Adult Sponsors
 - B. Student Checklist (1A)
 - C. Research Plan (NOTE: No need to attach the Research Plan Instruction) Note: Please make sure that the methods in the research plan are in the FUTURE tense. If there are modifications from the research plan to the actual plan, please attach the modifications done.
 - D. Approval Form (1B)
- 3. FORMS depending on the type of research (e.g. involving human, vertebrae animals, hazardous chemicals, etc.) Check the applicability of each form. If the form is not needed in the research, do not attach it anymore.
 - A. Regulated Research Institutional/ Industrial Setting Form (1C)
 - B. Qualified Scientist Form (2)
 - C. Risk Assessment Form (3)
 - D. Human Participants Form (4)
 - E. Human Informed Consent Form
 - F. Vertebrae Animal Form (5A)
 - G. Vertebrae Animal Form (5B)
 - H. Potentially hazardous Biological Agents Risk Assessment Form (6A)
 - I. Human and Vertebrae Animal Tissue Form (6B)
 - J. Continuation Project Form (7)
- 4. Abstract (Maximum of 250 words)

The abstract should include the following:

- A. Purpose of the experiment
- B. Procedure
- C. Data
- D. Conclusion

The abstract may NOT include the following:

- A. Acknowledgement
- B. Work of procedures done by the mentor.
- 5. Research Paper (Include the Title Page, Abstract, Main Body, and References) See Enclosure 9 for the Style book to be used by the NCR RSTF)
- 6. Project Evaluation Form (see Enclosure No.7)
 - Project Evaluation Form Regional Level (Blank Form)
 - Project Evaluation Form Division Level (accomplished with signature of the judges)
 - Project Evaluation Form School Level (accomplished with signature of the judges)
- 7. Copy of Logbook

8. Copy of Plagiarism Scan Report

For the RSTF, the limit for the allowable plagiarism percentage is at $\underline{15\%}$ through reputable plagiarism scanners.

For Innovation Projects (SIE-I and T)

The following forms are required:

- a. Innovation Paper
- b. Innovation Expo Screening Form
- c. Innovation Expo Judges Form
- d. Plagiarism Scan Report
- e. Logbook
- f. Simple Patent Search Report

1.5 The Research Projects

Science research projects must conform to international rules and standards published by the Society for Science and the Public, the International Rules for Pre-college Science Research: Guidelines for Science and Engineering Fair 2023. Each project is expected to have a Research Adviser and an Institutional Review Board (IRB) or a Scientific Review Committee (SRC).

The research project should cover a maximum of twelve (12) continuous months from January 2024 to December 2024.

Ethics Statement. Scientific fraud and misconduct are not condoned at any level of research or competition. Plagiarism, use or presentation of other research's work as one's own and fabrication of data will not be tolerated. Fraudulent projects are disqualified from the competition.

1.6 Display and Safety Regulations

The project display using **tarpaulin** 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. The size of the project display board is 3 ft x 5 ft. Each entry should have their own tarpaulin stand.

The safety regulations that must adhere to or should be consistent with the guidelines set by the International Science and Engineering Fair (ISEF).

The following items should be seen in the project display: Abstract, Background, Objectives, Significance, Methodology, Results and Discussion, Conclusion, Recommendations, Bibliography and if applicable, Photo Credits (including illustrations and graphics)

Photography/Images:

Display of photographs other than that of the learner/s MUST have a photo release signed by the subject, and if under 18, also by the guardian of the subject (See **Photo Release Form in Enclosure 12**). Any photographs, visual image, chart, table and/or graph is allowed if:

1. It is not deemed offensive or inappropriate (which included images/photos showing vertebrate animals/ humans in surgical, necrotizing or dissection situations) by the SRC, Display & Safety Committee.

- 2. It has a credit line of origin.
- 3. If it is from the Internet, magazine, newspaper, journal, etc. and a credit line is attached.
- 4. It is a photograph or visual depiction of the finalist.
- 5. It is a photograph or visual depiction for which a signed consent form is at the project.
- 6. Images used as backgrounds must also be credited.

ITEMS NOT ALLOWED TO BE DISPLAYED WITH THE PROJECT:

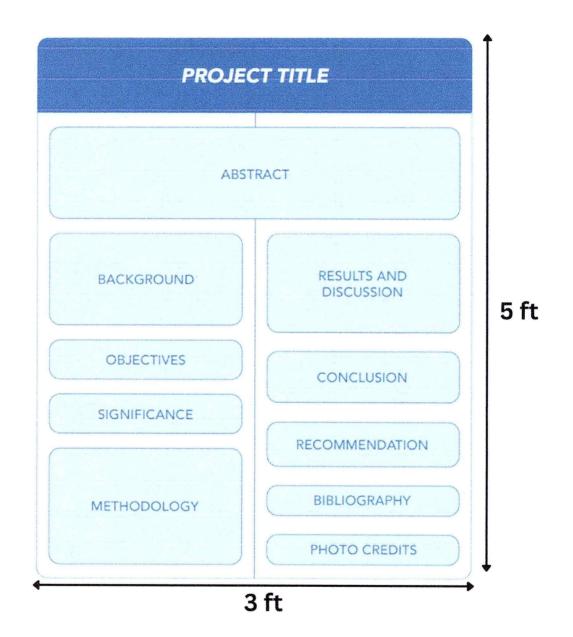
- 1. Awards, medals, business cards, flags, logos, CDs, DVDs, flash drives, brochures, booklets, endorsements, giveaway items and/or acknowledgements (graphic or written) unless the item(s) are an integral part of the project.
- 2. Postal addresses, Internet, email, and/or social media addresses, QR codes, telephone, and/or fax numbers of a student.
- 3. Active internet or email connections as part of the display or operating the project.

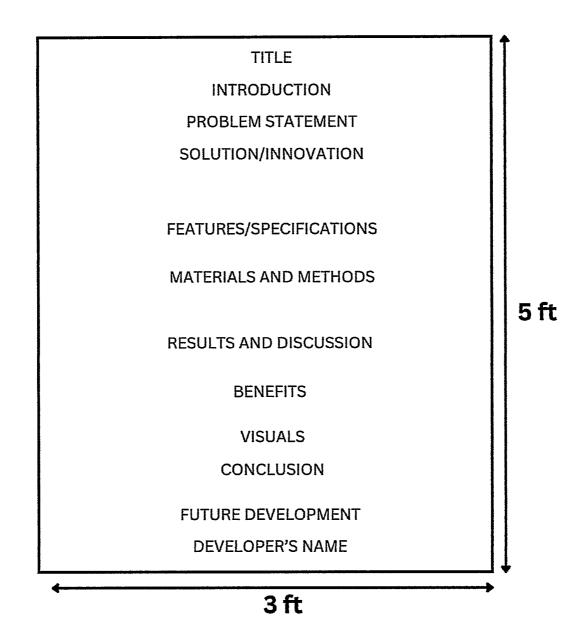
Items NOT Allowed at the Project Display:

- 1. Living organisms, including plants
- 2. Soil, sand, rock, and/or waste samples, even if permanently encased in acrylic.
- 3. Taxidermy specimens or parts
- 4. Preserved vertebrate or invertebrate animals.
- 5. Human or animal food
- 6. Human or animal parts or body fluids
- 7. Plant materials (living, dead or preserved) that are in their raw, unprocessed or non-manufactured state (Exception: manufactured construction materials used in building the project or display)
- 8. All chemicals including water.
- 9. All hazardous substances or devices (i.e.: poisons, drugs, firearms, weapons, ammunition, reloading devices, lasers, etc.)
- 10.Dry ice or other sublimating solids Sharp items (i.e.: syringes, needles, pipettes, knives,
- 11. Flames or highly flammable materials
- 12. Batteries with open-top cells
- 13. Glass or glass objects unless deemed by the Display & Safety Committee to be an integral and necessary part of the project.
- 14.Lasers or laser pointers Any apparatus deemed unsafe by the Scientific Review Committee, the Display & Safety Committee of the Fair

Requirements for presentation by the Project Proponent/s to the BOJ during the exhibit are the following:

- Copy of the required forms
- Copy of the research write-up
- Project data book or student journal complete with dates of entry, number of pages, and all other details



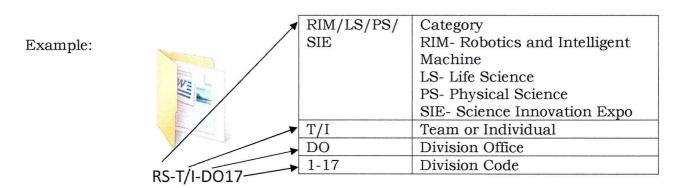


1.7 The Regional Level

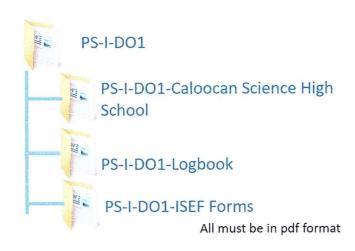
Projects of proponent should have been screened by the Institutional Review Board (IRB)/ SRC at the school level. All **school level winners** must be certified by the **division SRC** to join in the division-level fair. **Except for the Regional Science High School,** students of both **regular and science high schools of private and public high schools** shall participate in the division-level STF.

Winners at the school level should be officially endorsed to the division office for the division-level. Likewise, the division-level winners should be officially endorsed to the regional office. The official list of the first-place winners at the division level shall be officially endorsed by the Division Office to DepEd NCR through the CLMD on October 18, 2024.

The first-place winners at the division level in both clusters shall be properly scrutinized by identified members of the SRC for the regional level competition.



Division Code	Division	Division Code	Division
1	Caloocan City	9	Navotas City
2	Las Pinas City	10	Paranaque City
3	Makati City	11	Pasay City
4	Malabon City	12	Pasig City
5	Mandaluyong City	13	Quezon City
6	Manila City	14	San Juan City
7	Marikina City	15	Taguig City and Pateros
8	Muntinlupa City	16	Valenzuela City
		17	Regional Science HS Quezon City Science HS



CODE	COLOR CODING
LS – I	GREEN
LS – T	YELLOW
PS – I	BLUE
PS – T	ORANGE
RM – I	PINK
RM -T	BROWN
MCS – I	RED
MCS - T	PURPLE
SIE – I	BLACK
SIE – T	WHITE

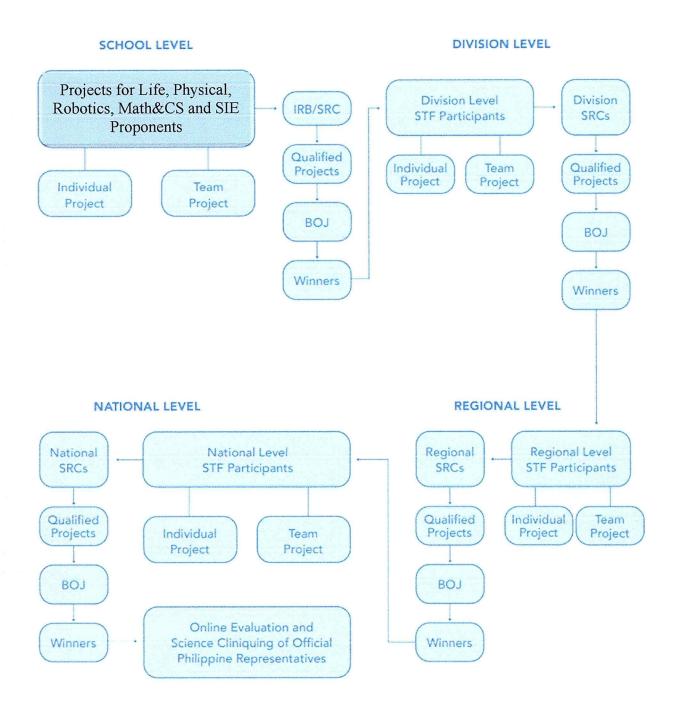
1.8 Awards and Recognition

A. Special Awards	Descriptions
Best Shout Out	Best shout out should portray creativity, clarity of the hash tags or message, coherency of the music or lyrics to the message or actions and organization as shown from the submitted 30-second video and actual presentation.
Best Poster	Poster will be evaluated based on the content (identity of the division through culture, practices or landmark), creativity, design presentation, originality and relevance to the theme.
Best Presenter	Best presenter should have a clear audible speaking voice, research focus, has an in depth understanding of the research topic and high scientific reasoning and stage presence
Best Display Board	Best display boards will be evaluated based on the design, layout, dimension and content as set in the

	standard for the display board, organization and clarity					
Bida Lourdes Special Award	This award will be chosen by Lourdes hospital based on their criteria in relation to health science.					
B. Best Projects						
Top 5 Best Projects for each category will be awarded	The five best projects: First (Gold), Second (Silver), Third (Bronze), Fourth and Fifth (Certificate) for each category					
The First-Place winner/s will represent the region in the NSTF in each category if approved by the National SRC	 Life Science (IND) Life Science (TEAM) Physical Science (IND) Physical Science (TEAM) Robotics (IND) Robotics (Team) Mathematics and Computational Science (Individual and Team) Science Innovation Expo (Individual and Team) 					

Furthermore, the results of the deliberation of the Regional SRCs and the Regional Board of Judges will be **final and irrevocable**.

Enclosure No. 2 Schematic Diagram and Flow of Activities



Who can serve as the Scientific Review Committee?

An SRC must consist of a minimum of three individuals with at least 3 years of extensive experience and expertise in STEM research project and/or graduate degrees in STEM related disciplines, whereas it is recommended to diversify the expertise of the committee (e.g., Life Science research SRC: agronomist, STEM professor/educator, biomedical scientist).

The BOJ (Board of Judges) may serve as SRC and vice versa.

Tasks of SRC

- Checks and evaluates student research project, certifications, research plan, documentation, evidence of proper supervision, and project display in compliance with NSTF and ISEF rules, applicable laws and regulations at each level of the STEM fair competitions.
- Examines research projects for the following:
 - a. Evidence of literary research
 - b. Evidence of proper supervision
 - c. Consistency of completion of the required information, signatures and dates in the ISEF forms and data logbook
 - d. Use of accepted and appropriate research methodologies
 - e. Evidence of risk assessment and appropriate literatures search and attribution
 - f. Search for alternatives to animal use
 - g. Humane treatment of animals
 - h. Documentation of substantial expansion for continuation projects
 - i. Compliance with ISEF ethics statement

To avoid conflict of interest, no adult sponsor, parent or other relative of the student, qualified scientist, or designated supervisor who oversees the project, may serve on the SRC or IRB reviewing the STEM research projects.

GENERAL PROCEDURES AND GUIDELINES IN CONDUCTING SCHOOL LEVEL SCIENCE AND TECHNOLOGY FAIR

Before:

- 1. Orientation of learners regarding the processes and guidelines in planning and conducting STEM investigations.
- 2. Identification of the school level Scientific Review Committee (SRC) which will evaluate project proposals, required forms, certifications/ pre-approvals, data logbooks, and research manuscripts. Orientation of SRC members regarding the national laws, safety and ethical considerations, and the rules and regulations set by NSTF and ISEF needed to be adhered in conducting STEM research project
- 3. Writing of the research proposal and completion of the data logbook entries for the planning of the project.
- 4. Identification of the research category that best describes the project and presentation of research proposals for further revision and approval.
- 5. Orientation and agreements with parents/ guardians on the responsibilities of learners and supervisory adults in the specific arrangements during the research activity engagement.

- 6. Communication with the preselected qualified scientist/designated supervisor and Regulated Research Institution (RRI). Submission of Memorandum of Agreement/ Understanding and other documentary requirements (if applicable) to the research institution prior to experimentation.
- 7. Completion of the required ISEF forms and certifications/pre-approvals before experimentation
- 8. Conduct of the research and completion of required ISEF forms and data logbook entries for the accomplished research activities.
- 9. Writing of research manuscript and preparation for project display and oral defense.
- 10. Issuance of school memorandum regarding the conduct of SSTF which includes the mechanics, guidelines, criteria, schedule of activities, and TWG anchored on the Division, Region and National Science and Technology Fair Memorandum.
- 11. Signing of non-disclosure agreements with the adult sponsor, SRC and TWG members (see Enclosure 10).
- 12. Submission of three (3) hard and digital copies of properly color-coded and sequenced (as indicated in the memorandum) manuscripts, ISEF forms, data logbook, and other entry requirements (student media release forms, project evaluation forms, medical certificate, etc.) to the TWG on or before the deadline.
- 13. Forwarding of submitted manuscripts to the SRC/ Board of Judges (BOJ) for project pre-evaluation guided by the attached criteria.
- 14. Issuance of school memorandum regarding the results of the SRC review and the list of qualifiers for the SSTF and final judging.
- 15. Returning of the qualified SSTF manuscripts and other entry requirements for further revisions based on the listed comments and suggestions by the SRC in the Review and Recommendation Report (RRR).
- 16. Final meeting of the TWG for the preparations needed for the conduct of the SSTF.
- 17. Online resubmission of the digital copies of manuscripts, other entry requirements and PowerPoint presentation for the STEM Congress to SSTF focal person.

During:

- 1. Registration of participants and submission of the three (3) hard copies of color-coded manuscripts with tags to identify the revisions done based in the RRR.
- 2. It is also suggested for the student researchers to be in their smart casual during the conduct of SSTF.

- 3. Set-up for the project display that conforms with the display and safety regulations.
- 4. Project Display inspection by the assigned TWGs to ensure adherence to the prescribed project display rules and guidelines
- 5. Conduct of the SSTF opening program and on-site judging of the entries.
- 6. SRC/BOJ final evaluation of the qualified research entries through the STEM Congress.
- 7. Deliberation of the SRC/BOJ and awarding of the Top 5 winners for the individual and team projects in each research category. Other special awards (e.g., Best Poster, Best Presenter/s, Peers' Choice Award, Best Shoutout) and sponsored honorable awards by institutions/organizations may also be given to learners and advisors.
- 8. Orientation of the student researchers and advisors of the Top 3 entries for the individual and team projects in each research category for further comments, suggestions and other preparations needed as school representatives to the Division Science and Technology Fair (DSTF).

After:

- 1. Issuance of school memorandum regarding the winners of the SSTF.
- 2. Final revision of the manuscripts and other entry requirements incorporating the recommendations by the SRC/BOJ.
- 3. Re-submission of the revised manuscripts and other entry requirements to the school SRC for final quality assurance.
- 4. Submission of the Entries (as agreed upon by your division) to the Division Level Science Fair Technical Working Group.
- 5. Conduct of STEM cliniquing to improve learners' presentation skills and preparation of Poster Displays

GENERAL PROCEDURES AND GUIDELINES IN CONDUCTING DIVISION LEVEL SCIENCE AND TECHNOLOGY FAIR

Before:

- 1. Planning and consultation meeting spearheaded by the Division Education Program Supervisors in Science and Math with the school heads, and science and mathematics department heads, coordinators/focal persons, and TWG.
- 2. Issuance of the division memorandum on the conduct of the DSTF aligned with the Regional and National Memorandum.

- 3. Identification of the division level SRC based on the criteria set by NSTF and ISEF. The division level SRC will evaluate the research manuscripts, required forms, certifications/pre-approvals, and data logbooks of the school entries to the DSTF
- 4. Orientation of SRC members regarding the national laws, safety, and ethical considerations, and the rules and regulations set by NSTF and ISEF that needs to be adhered to when conducting STEM investigations.
- 5. Signing of non-disclosure agreements with the SRC and TWG members.
- 6. Submission of the three (3) hard and digital copies of research manuscripts and other entry requirements of the Top 3 entries for the individual and team projects in each research category to the DSTF focal person with attached report of the conduct of SSTF and endorsement by the school head on or before deadline.
- 7. Forwarding of submitted manuscripts to the SRC/ BOJ for project preevaluation guided with the attached criteria and RRR.
- 8. Issuance of division memorandum regarding the results of the SRC review and the list of qualifiers for the DSTF and final judging.
- 9. Meeting with the learners and advisors of the unqualified projects for the discussion of the disapproval/disqualification issues and their rights for an appeal period of three (3) days. An appeal can be requested by the student researcher and advisor through the submission of a letter for reconsideration addressed to the SRC chairman explicitly stating the valid explanations to reconsider the disqualification of the entry
- 10. Returning of the qualified DSTF manuscripts and other entry requirements for further revisions based on the listed comments and suggestions by the SRC in the RRR.
- 11. Final meeting of the TWG for the preparations needed for the conduct of the DSTF.
- 12. Preparation of the 1-minute video presentation for the school shoutout.
- 13. Online resubmission of the digital copies of manuscripts, other entry requirements and PowerPoint presentation for the STEM congress to DSTF focal person with official endorsement by the school head to the division office.
- 14. Online pre-registration of participants (optional).

During:

1. Registration of participants and submission of the three (3) hard copies of color-coded manuscripts with tags to identify the revisions done based on the RRR.

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- 2. It is also suggested for the student researchers to be in their formal attire during the conduct of DSTF.
- 3. Inspection of the Project display, whereas the TWG may require learners to make revisions in the display boards in order to adhere to the prescribed rules and regulations.
- 4. Conduct of the DSTF opening program and on-site judging of the entries
- 5. SRC/BOJ final evaluation of the qualified research entries through the STEM congress.
- 6. Deliberation of the SRC/BOJ and awarding of the Top 5 winners for the individual and team projects in each research category. Other special awards (e.g., Best Poster, Best Presenter/s, People's Choice Award, Peers' Choice Award, Best Shoutout) and sponsored honorable awards by institutions/organizations may also be given to learners and advisors.
- 7. Orientation of the student researchers and advisors of the **Top entries** or the individual and team projects in each research category for further comments, suggestions and other preparations needed as division representatives to the Regional Science and Technology Fair (RSTF).

After:

- 1. Issuance of division memorandum regarding the winners of the DSTF and the schedule of cliniquing/mentoring/coaching of the regional representatives to the RSTF pre-evaluation of research projects.
- 2. Final revision of the manuscripts and other entry requirements by incorporating the recommendations of the SRC/BOJ.
- 3. Improving learners' presentation skills through the conduct of mock STEM Congress.
- 4. Re-submission of the revised manuscripts and other entry requirements to the division SRC for the final quality assurance.

Enclosure No. 3 Timelines of Activities and Requirements

DATE	ACTIVITIES	PERSONS INVOLVED
October 18, 2024 (Friday) 8:00AM-5:00 PM only Submission of the: Indorsement of the List of Division Winners duly signed by the SDS Soft copy of the entries to be sen a OneDrive link to be sent in the NCR Science and Math Supervis Group		Division Science and Math Supervisors/ Coordinators Research Advisers
	Online Registration for Division Delegation to RSTF 2024	
October 20, 2024 (Sunday)	Regional Scientific Review Committee Orientation and Review at the CLMD Office	Screening Committee and Judges
October 21 – 25, 2024	Giving of the comments from the SRC to the concerned SDOs	Math and science Supervisors Officers of the Regional Research Advisers Association Research Advisers
October 30, 2024	Report of the Conduct of Division Science and Technology Fair (see the format in Enclosure 5) Soft copy (Excel Form) of the Data of SIPs submitted during the Division Science and Technology Fair (see the format in Enclosure 5) send it to NCR Science Supervisors Group	
November 4, 2024	Ocular Inspection Final Meeting at Quezon City Science High School	SCIENCE SUPERVISORS Officers of the Regional Research Advisers Association

November 6, 2024 Day 0	Getting Ready Setting Up for the Fair Submission of Three Hard Copies incorporating the revisions from the SRC Submission of Learner Release Form (Enclosure 11) Quality assurance of projects Submission of division shout out video Submission of Project Slide Decks (in PPT format only) Making science fair poster Setting-up and Quality Assurance of the Project Display Board Note: Submission is from 8:00 Am to 12:00 PM ONLY 1PM Briefing for all participants Venue: Quezon City Science HS	Science and Math Supervisors Officers of the Regional Research Advisers Regional Science Club Officers Research Advisers HOST DIVISION
November 7, 2024 Day 1	Opening of the RSTF 2024 Judging of Projects On-site interview in the Morning with Open House Oral defense in the Afternoon until 5:00 PM only. Audience during the presentation is allowed but with rules to be followed and maximum number of audiences will be determined There should be a documenter, time keeper, emcee and crowd controller in each defense area All documents must be submitted to the secretariat A Research Advisers' Academy for Research Advisers will be held while the Oral Defense is ongoing.	Research Advisers Research DIVISION

	Evening - Judges Deliberation (inhouse)	
	Venue: Quezon City Science HS	
November 8, 2024	AM	Science and Mathematics
Day 2	9:00 AM - 11:00 AM	Supervisors
		Supervisors
	Closing Program and Awarding	Officers of the Regional
~	715	Research Advisers
	PM	Research Advisers
	After lunch - Meeting of all the 1st	Research Advisers
	Place Winners for Preparation to	
	NSTF Submission	HOST DIVISION
	Venue: Quezon City Science HS	
November 30- December 1, 2024	Regional Cliniquing and Mentoring of the Regional Winners Venue TBA	Science and Math Supervisors Research Advisers of the NSTF Qualifiers Selected Judges who will mentor the qualifiers
December 13, 2024,	Submission of Final research output to DepEd CO	Science and Math Supervisors Research Advisers

Enclosure No.4 WORKING COMMITTEES

- Focal Person: Micah G. Pacheco and Restituto Rodelas
- CLMD TWG

CLMD TWG Working Committees	Science and Math Supervisors/ Coordinators to be assisted by Regional Research Advisers Association Officers
	SDO Quezon City Host Division
Accommodation/ Program/ Food/ Invitation/ Documentation	Dr. Maria Pilar O. Capalongan EPS, in charge in Science, SDO QC
	Dr. Joel Feliciano EPS, in charge in Math, SDO QC
	SDO Quezon City HOST DIVISION
Registration	Dr. Maria Pilar O. Capalongan EPS, in charge in Science, SDO QC
	Dr. Joel Feliciano EPS, in charge in Math, SDO QC
	SDO Quezon City HOST DIVISION
Awards (Certificates, Medals, Trophies &Trophies)	Ms. Jessica Mateo EPS, SDO Marikina City
	Dr. Jennifer Mondoy EPS, SDO Caloocan City
	Regional Research Advisers Association Officers
	Lourdes Hospital through Bida Lourdes
Display	Dr. Manolo Davantes EPS, SDO Malabon City
	Ms. Evelyn Callada EPS, SDO Malabon City
Poster Making Contest	Mr. Albert Tiangco EPS, SDO Navotas City
	Regional Research Advisers Association Officers

Shout Out	Mr. Lambert Quesada EPS, SDO Muntinlupa City
	Regional Research Advisers Association Officers
Viewing	Dr. Armida Oblinada EPS, SDO Muntinlupa City
	Ms. Marilyn Soriano EPS, SDO Valenzuela City
In-Charge of Different Contest Category • Life Science (Individual)	Dr. Bradley Loo EPS, SDO San Juan City
	Dr. Emiterio Maccarrubo EPS, SDO Caloocan City
	Regional Research Advisers Association Officer
Life Science (Team)	Dr. Armida Oblinada EPS, SDO Muntinlupa City
	Dr. Lea Q. Prondo SDO Valenzuela
	Regional Research Advisers Association Officer
Physical Science (Individual)	Ms. Liza Alvarez EPS, SDO Pasig City
	Dr. Manolo Davantes EPS, SDO Malabon City Regional Research Advisers Association Officer
Physical Science (Team)	Dr. Corazon Javier EPS, SDO Paranaque City
	Ms. Marie Gerlie Capiral SDO Manila
	Regional Research Advisers Association Officer
Robotics (Individual)	Dr. Marivic Almo EPS, SDO TaPat
	Dr. Maripaz Mendoza

	EPS, SDO Pasay City
	Regional Research Advisers Association Officer
• Robotics (Team)	Ms. Roxane Villanueva EPS, SDO Mandaluyong City
	Ms. Jessica Mateo EPS, SDO Marikina City
	Regional Research Advisers Association Officer
Mathematics and Computational Science (Individual and Team)	Dr. Restituto Rodelas EPS, CLMD
Science (muividuai and ream)	Dr. Michael Lee EPS, Makati City
	Dr. Alberto Tiangco EPS, Navotas City
Science Innovations Expo Individual	Ms. Jocelyn Agulto EPS, SDO Navotas City Dr. Gemma Caviles PSDS, SDO Las Pinas City Regional Research Advisers Association Officer
Science Innovation Expo Team	Mr. Hernan Apurada EPS, SDO Makati City Dr. Genovie Tagum EPS, SDO Las Pinas City Regional Research Advisers Association Officer

NCR Research Advisers Association Members Core Team

Don King O. Evangelista, President - SDO Navotas
Earl Francis Merilles, Vice - President - SDO Quezon City
Ayra Patricia Alvero, Secretary - SDO Las Pinas
Diana Lou Sipalay, Treasurer - SDO Caloocan
Janeth Mamansag, Auditor - SDO Taguig Pateros
And other members of the TWG from the NCRRAA

Enclosure No.5 FORMAT OF THE REPORT AND DATA SUBMISSION

The Division Science Supervisors/Coordinators are requested to submit to Curriculum and Learning Management Division (CLMD) the reports of the conduct of Division Science and Technology Fair **on or before October 30, 2024**.

The Report of the **Conduct of the Division Science and Technology Fair** shall include the following:

- 1. Title
- 2. Table of Contents
- 3. Introduction/Rationale
- 4. Detailed Information
 - General information
 - SRC Deliberation (include the results, findings and recommendations)
 - Program of Activities (day-to-day activities)
 - List of Entries (include a brief profile of the research adviser of each entry)
 - List of Winners (Research & Innovation Congress)
 - Trend Analysis (results from 3 consecutive years)
 - Financial Report
- 5. Conclusions
- 6. Recommendations
- 7. Appendix

Format for End of Activity Report

The End of Activity Report for the Regional/Division/School Science and Technology Fair should contain the following sections:

- 1. Title Page: Include the name of the region/division and a clear, concise title for the report.
- 2. Table of Contents: List all the sections of the report and their corresponding page numbers to help readers navigate the document.
- 3. General Information: Provide a broad overview of the fair, including its purpose, goals, and objectives, as well as information on its structure, participants, and timeline.
- 4. Results: Present the results of the fair, including statistics and data related to the number of entries, participants, and winners, as well as any trends or patterns observed.
- 5. List of Activities Conducted: Provide a detailed list of the activities conducted during the fair, including dates, locations, and participants.
- 6. List of Entries: Provide a list of all entries submitted to the fair, including the title, author, and category.
- 7. List of Winners: List the winners of the fair, including the title, author, and category.
- 8. Financial Report: Provide a detailed financial report of the fair, including expenditures and income, as well as any funding sources.
- 9. Conclusions: Summarize the main findings and conclusions of the fair, and provide recommendations for future action.

- 10. Recommendations: Provide specific recommendations for future action, based on the findings of the fair, and identify areas for improvement.
- 11. Appendix: Include any additional materials, such as detailed data tables, charts, or other relevant documents, that support the findings of the report

Data of all the Science Investigatory Projects (SIPs) entries during the Division Fair

NOTE: This should be in an Excel spreadsheet and should be sent to NCR Science Supervisors Group on or October 30, 2024. Please take note of the example below:

No.	ion: First Name	Middle Name	Last Name	Grado	High School	Gender	Team / Individual	Team Code	Research Adviser
I	Dona Vel	C.	Logurin	10	Bayugan Nadi Compre HS, Bayugan City	F	leubháðunl	and,	Ionathan f. Gerzon
2	"Venesso Anne Kimberly	IV4.	Geslan	10	CARAGA RSHS, Surigso Cty	F	Team	1	Maria Roth Edrodan
3	"Quence Lavern	G.	Pongoci	10		£	Team	ž	
A	nest yut	3 .	Turno	10		F	Yeam	1	
5	Blanco	a.	Muñez	10	Bunawan NHS, Agusan del Sur Bunawan NHS, Agusan del Sur Bunawan NHS, Agusan del Sur	£	Team	2	lennysiti. Papellero
6	Farrah Leab	U.	Ebe	10		£	Team	2	
7	El Veena Grace	A	Rasero	10		£	Team	2	
8	BUAR 19A	l.	Salazar	9	Agusan del Sur NHS, Agusan del Sur	9,1	Individual	-	Emy S Dacoseo
9	Les	5.	Apárente	20	Bayugan Nar'i Compre HS, Bayugan City	F	Team	3	Jonathan F. Garzon
10	Jayson Rey	R.	Vicariato	10		245	Team	3	
12	Justin Ryan	S.	Togoson	10		M	Team	3	

This template is to be used in the official endorsement of the school to division, division to region, and region to national.

Region	1:		Division	on:						
No.	First Name	Middle Name	Last Name	Grade Level	School Name	Gender	Team/ Individual	Category	Team Code	Research Adviser

Data	Total	Data
Total No. of Female		Total No. of Robotics and Intelligent Machines Project Entries
Total No. of Male		Total No. of Mathematics and Computer Sciences Project Entries
Total No. of Participating Schools		Total No. of Grade 7 Student Participants
Total No. of Participating Private Schools		Total No. of Grade 8 Student Participants
Total No. of Participating SP STEM Schools		Total No. of Grade 9 Student Participants
Total No. of Participating SP STEM Male Student		Total No. of Grade 10 Student Participants
Total No. of Participating SP STEM Female Student		Total No. of Grade 11 Student Participants
Total No. of Individual Project Entries		Total No. of Grade 12 Student Participants
Total No. of Team Project Entries		Total No. of Mathematics and Computer Sciences Project Entries
Total No. of Life Sciences Project Entries		Total No. of Participating Teachers
Total No. of Physical Sciences Project Entries		

Prepared by:	
Mobile No:	
School/Office Address:	
Regional Coordinator:	

Scientific Review Committee Review & Recommendation Report

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- () REGIONAL SCIENCE AND TECHNOLOGY FAIR 2024
- () DIVISION SCIENCE AND TECHNOLOGY FAIR 2024

() SCHOOL SCIENCE AND TECHNOLOGY FAIR 2024

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TILL	Title

Category:	Fair Division
[] Individual	ion: [] Life
[] Team	[] Applied/Physical
	[] Robotics and Intelligent Machine [] Math and Computational Sciences

Instruction: Please put a check $[\sqrt]$ in the appropriate column and if necessary, write recommendations in the space provided.

PART 1: REQUIRED FORMS	Complete	Incomplete	Recommendations
FOR ALL RESEARCHES			
 Checklist for Adult Sponsor 		S.	
(1). Is it accomplished and			
signed?			
2. Student Checklist 1A. Is it			
accomplished and signed			
If answer to item 5 is YES, must also have Form 7 (See Part II, item 13 below)	so have Form	7 (See Part II, i	tem 13 below)
If answer to item 7 is Research Inst	itution or Oth	er, must also h	If answer to item 7 is Research Institution or Other, must also have Form IC (See Part II, item 6 below)
3. Research Plan (Attachment to			
item 2, above). Does it include			
the following:			
A. RATIONALE. Does it			
include a brief synopsis of			
background that supports			
the research problem and			
explains why the research			
is important scientifically?			

c. Data Analysis. i. Does it describe all procedures for data analysis? ii. Parameters should NOT be too strict to	b. Risk and Safety. Does it identify all potential risks and safety precautions needed?	procedures and experimental designs, including methods for data collection? ii. There should be NO inclusion of work of mentor or others. iii. Parameters should NOT be too strict to allow for possible changes	If applicable, does it explain the societal impact of the research? B. HYPOTHESIS (ES), RESEARCH QUESTION(S), ENGINEERING GOAL(S), EXPECTED OUTCOMES. Is this based on RATIONALE? C. RESEARCH METHODS AND CONCLUSIONS a. Procedures. i. Does it show all

F. VERTEBRATE ANIMAL RESEARCH. Does it provide for the following? a. Potential ALTERNATIVES to vertebrate animal use b. Potential impact or contribution of research c. Detailed procedures d. Detail animal numbers, strain, sex, age, source, etc. e. Describe housing and oversight of daily care	E. HUMAN PARTICIPANTS RESEARCH. Does it provide for the following? a. Description b. Recruitment c. Methods d. Risk Assessment e. Protection of Privacy f. Informed Consent Process	allow for possible changes D. BIBLIOGRAPHY. Does it have at least 5 major references? If using vertebrate animals, include 1 reference on animal care?(Chicago Manual Style) Note: Items 3.E-H are needed ONLY for HAZARDOUS BIOLOGICAL AGENTS (s
		allow for possible changes D. BIBLIOGRAPHY. Does it have at least 5 major references? If using vertebrate animals, include 1 reference on animal care?(Chicago Manual Style) Note: Items 3.E-H are needed ONLY for researches on HUMAN PARTICIPANTS, VERTEBRTE ANIMAL, POTENTIALLY HAZARDOUS BIOLOGICAL AGENTS (see attached Research Plan/Project Summary Instructions)

d. Methods of disposal H. HAZARDOUS CHEMICALS, ACTIVITIES & DEVICES. Does it provide for the following? a. Risk Assessment process & results b. Chemical concentrations and drug dosages c. Safety precautions and procedures to minimize risks d. Methods of disposal 4. Approval Form 1B (for ALL students) 5. Abstract VERY INFORTANT 2: See Part II, Risk Assessment (3) for 1. Studies involving manure for composting, fuel production, or other non-culturing experiments. 2. Research using manure for composting, fuel production, or other main sealed and must be properly disposed. 4. Studies involving decomposition of vertebrate organisms (such as in forensic projects).	f. Disposition of animals at study termination G. POTENTIALLY HAZARDOUS BIOLOGICAL AGENTS RESEARCH. Does it provide for the following? a. Biosafety Level Assessment & BSL determination b. Source of agent, specific cell line. c. Safety precautions
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	5. Studies with microbial fuel cells.	cells.		
N N	PART 2: ADDITIONAL REQUIRED FORMS	Complete	Incomplete	Recommendations
6.	Regulated Research			
	Institutional or Industrial			
	Setting Form (1C). Must be			
	completed AFIEK			
	supervising the student			
	research conducted in a			
	regulated research institution			
	or any work site aside from			
	home, school or held.			
	and signed by the			
	DESIGNATED SUPERVISING			
1	ADULIP			
:	for researches with human			
	participants, vertebrate			
	animals, potentially			
	hazardous biological agents,			
	DEA-controlled substances;			
	BEFORE start of			
-	experimentation.			
	Is it properly accomplished			
	SCIENTIST?			
8.				
	for researches using			
	hazardous chemicals,			
	activities or devices and			
	microorganisms exempt from			
	completed BEFORE			

			т.	
VETERINARIAN BEFORE experimentation? C. Is it properly accomplished, approved and signed by DESIGNATED SUPERVISOR OR QUALIFIED SCIENTIST	mplished oved and ORE exp s it prope complished signe DESIGNA	10. Vertebrate Animal Form (5A) – for researches involving vertebrate animals that is conducted in a school/home/field research site. A. Is it properly	9. Human Participants Form (4) – for researches involving human participants not at a Regulated Research Institution. Did the the DESIGNATED ADULT SUPERVISOR/INSTITUTION approve the research BEFORE experimentation?	experimentation. Is it properly accomplished and signed by DESIGNATED SUPERVISING ADULT OR QUALIFIED SCIENTIST (when applicable)?

lines and tissue cultures), blood, blood products and body fluids. A. Does it have SRC.IACUC/IBC approval BEFORE experimentation? B. Is it properly accomplished, approved and signed by a QUALIFIED or DESIGNATED	INVESTIGATOR? 12. Potentially Hazardous Biological Agents Risk Assessment Form (6A) – for researches involving microorganisms, rDNA, fresh/frozen tissue (including primary cell lines, human and other primate established cell	experimentation? 11. Vertebrate Animal Form (5B) - for researches involving vertebrate animals that is conducted at a Regulated Research Institution. A. Does it have IACUC approval BEFORE experimentation? B. Is it properly accomplished, approved and signed by a QUALIFIED SCIENTIST/PRINCIPAL

13. Continuation/Research Progression Projects Form (7) – for researches that are a continuation/progression in the same field of study as a previous research.	experimentation? C. Is it properly accomplished, approved and signed by the SRC BEFORE experimentation? D. Human Vertebrate Animal Tissue Form (6B) – for researches involving fresh/frozen tissue (including primary cell lines, human and other primate established cell lines and tissue cultures), blood, blood products and body fluids. If research involves living organisms, ensure that the proper human or animal forms are completed. All researches using any tissue listed above must also complete Form 6A. Is it properly accomplished, approved and signed by a QUALIFIED or DESIGNATED SUPERVISOR BEFORE experimentation?

			4. RESULTS. Does is clearly and comprehensively
			3. METHOD. Does is clearly and comprehensively provide the reader with a description of the methods
			2. INTRODUCTION. Does it outline the research question and its significance within the topic discussed, making its relevance clear to readers in a CONCISE manner?
			1. COVER PAGE A. Is the research title present? B. Is/Are the name/s of the student proponent's present? C. Is/Are the appropriate persons credited? (The Research adviser and Research Consultants, if applicable MUST be present)
	•	•	(See attached IMRAD
e Recommendations	Incomplete	Complete	PART 3: RESEARCH PAPER
			A. This form MUST be accompanied by the PREVIOUS YEAR'S ABSTRACT and RESEARCH PLAN B. Is it properly accomplished, approved and signed by the student/s?

2. Does it clearly and concisely state the PROCEDURE/S	1. Does it clearly and concisely state the PURPOSE OF THE RESEARCH?	PART 4: RESEARCH ABSTRACT (MAX. 250 WORDS)	5. DISCUSSION. Does this show what the findings in "RESULTS" mean? 6. LIMITATIONS ON THE RESEARCH DESIGN AND MATERIAL. Does this show knowledge and understanding of research limitations? 7. Conclusion, Notes, Works Cited and Appendices/Bibliography A. Does the conclusion briefly and clearly analyze what the paper proposed, discussed and concluded? B. Is there in (MLA format) possible Research paper's Works Cited and possible appendices?	SHOW the reader what the research came up with? This should be the MAIN
		Complete		
		Incomplete		
		Recommendations		

5. Does the logbook show accurate and detailed notes and findings throughout the course of the research? Does it include data tables, and the like?	 Is the logbook intact and not tampered with? It should NOT be looseleafed. Does the START DATE in the logbook match the START DATE in Student Checklist (1A)?	a. Acknowledgements of the research institutions and/or mentors with which the student were working b. Self-promotions and external endorsements c. Inclusion of work or procedures done by the mentor PART 5: RESEARCH LOGBOOK Complete Incomplete Recommendations	4. Does it clearly and concisely state the CONCLUSIONS OF THE RESEARCH?	undertaken in the RESEARCH 3. Does it clearly and concisely state the DATA COLLECTED from the RESEARCH?
		rhere should be NONE of the following: nents of the research institutions and/or m ns and external endorsements ork or procedures done by the mentor I LOGBOOK Complete Incomplete		
		the following: ions and/or mento s e mentor Incomplete Re		
		ntors with which the		
		he student were		
		working		

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Decision:] Review Complete [] Review Incomplete	the research?	questions in the course of	student notes and	7. Does the logbook show	research?	in the course of the	and processes conducted	description of procedures	accurate and detailed	6. Does the logbook show
	Incomplete										

NAME and SIGNATURE SRC

NAME and SIGNATURE SRC

NAME and SIGNATURE SRC

Enclosure No.7 t	o Memorandum No	s. 2024
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Board of Judges (BOJ)

PROJECT EVALUATION FORM

PLEASE CHECK: () REGIONAL SCIENCE AND TECHNOLOGY FAIR 2024 () DIVSION SCIENCE AND TECHNOLOGY FAIR 2024 () SCHOOL SCIENCE AND TECHNOLOGY FAIR 2024	
Title of Research Project :	
School :	
Project Category :() Life Science () Physical Science () Robot () Mathematics and Computational Science () Team () Individual	tics
Category	Score
1. Creative Ability (30) A. Does the project show creative ability and originality in the: a. research questions asked? b. approach to solving the problem? c. analysis of the data? d. interpretation of the data? e. use of equipment? f. construction or design of new equipment? B. Creative research should support an investigation and help a question in an original way. C. A creative contribution promotes an efficient and reliable method for solving a problem. When evaluating a project, it is important to distinguish between gadgettering and ingenuity.	

2. Scientific Thought (30)

(If an engineering project, please see 2b. Engineering Goals)

- 1. is the problems stated clearly and unambiguously?
- 2. was the problem sufficiently limited to allow plausible attack? Good scientists can identify important problems capable of solutions.
 - 3. was there a procedural plan for obtaining a solution?
 - 4. are the variable clearly recognized and defined?
- 5. if controls were necessary, did the student recognize their need and were they used correctly?
 - 6. are there adequate data to support the conclusions?
 - 7. Does the finalist/team recognize the data's limitation?
- 8. Does the finalist/team understand the project's ties to related research?
- 9. Does the finalist/team have an idea of what further research is warranted?
- 10. Did the finalist/team cite scientific literature, or only popular literature (e.g. local newspaper, magazines)?

B. Engineering Goals

- 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 over previous alternatives or application?
- 6. Has the solution been tested for performance under the conditions of use?

3. Thoroughness (15)

- 1. was the purpose carried out to completion within the scope of the original intent?
 - 2. How completely was the problem covered?
 - 3. Are the conclusions based on a single experiment or replication?
 - 4. How complete are the project notes?
 - 5. Is the finalist/team aware of other approaches or theories?
 - 6. How much time did the finalist or team spend on the project?
- 7. Is the finalist/ team familiar with scientific literature in the studied field?
- 8. Are the relevant details (including the pages and dates) of the experiment recorded in the research data logbook?

4. Skill (15)

- 1. Does the finalist/team have the required laboratory, computation, observational and design skills to obtain the supporting data?
- 2. Where was the project performed (i.e. home, school laboratory, university laboratory). Did the student or team receive assistance from parents, teachers, scientists or engineers?
- 3. Was the project completed under the adult supervision, or did the student/team work largely alone?
- 4. Where did the equipment come from? Was it built independently by the finalist/team? Was it obtained on loan? Was it part of a laboratory where the finalist/team worked?

5. Clarity (10)

- 1. How clearly does the finalist/team discuss his/her/their project and explain the purpose, procedure, and conclusion? Watch out for memorized speeches that reflects little understanding of principles.
- 2. Does the written material reflect the finalist's or team's understanding of the research?
- 3. Are the important phases of the project presented in an orderly manner?
 - 4. How clearly is the data presented?
 - 5. How clearly are the results presented?
 - 6. How well does the project display explain the project?
- 7. Was the presentation done in a forthright manner, without tricks or gadgets?
- 8. Did the finalist/team perform all the project work, or did someone help?

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Signature over printed name of the members of the board of judges

Enclosure 8: Innovation Expo Screening Form

TITLE OF THE PROJECT		
INDIVIDUAL/TEAM		
PROJECT PROPONENTS		
CRITERIA	WEIGHT	RATING
ORIGINALITY AND CREATIVITY This criterion assesses the uniqueness and innovation of the project. It looks at how the research addresses a problem in a novel way or introduces creative solutions.	35%	
COMMUNITY CONNECTION & IMPACT This criterion evaluates how the innovation research benefits the community or society. It assesses the project's potential to make a positive impact and address real-world issues.	25%	
MARKET ATTRACTIVENESS This criterion examines the commercial viability of the innovation. It considers the potential market demand, scalability, and sustainability of the project.	25%	
UTILIZATION OF PATENT INFORMATION This criterion focuses on how well the project utilizes relevant patent information and avoids infringement on existing patents.	15%	
TOTAL	100%	
COMMENTS		

Signature over Printed Name of Judge

Enclosure 9: Innovation Expo Judges Form

TITLE OF THE PROJECT		
INDIVIDUAL/TEAM		
PROJECT PROPONENTS		
CRITERIA	WEIGHT	RATING
ORIGINALITY AND CREATIVITY This criterion assesses the uniqueness and innovation of the project. It looks at how the research addresses a problem in a novel way or introduces creative solutions.	25%	
COMMUNITY CONNECTION & IMPACT This criterion evaluates how the innovation research benefits the community or society. It assesses the project's potential to make a positive impact and address real-world issues.	20%	
MARKET ATTRACTIVENESS This criterion examines the commercial viability of the innovation. It considers the potential market demand, scalability, and sustainability of the project.	15%	
FUNCTIONALITY AND TECHNOLOGY VALIDATION This criterion evaluates the practical functionality and performance of the innovation. It assesses how well the innovation functions in realworld scenarios and whether it meets the intended objectives. Researchers should demonstrate evidence of successful testing, validation, or prototypes to support the claims of the innovation's effectiveness.	25 %	

PRESENTATION AND	
PRODUCT PRESENTATION	
This criterion looks at how	
effectively the innovation and	
research are presented to the	
audience. It assesses the	
clarity, coherence, and visual	
appeal of the poster display and	
any supplementary materials.	
Additionally, researchers' ability to communicate the	15%
]	
innovation's key features, benefits, and impact in a	
compelling and engaging	
manner is considered. The	
criterion also considers how	
well the researchers answer	
questions and engage with expo	
attendees during their	
presentation	
TOTAL	100%
COMMENTS	

Signature over Printed Name of Judge

Enclosure 10: NCR Research Science Investigatory Project Style Book

The NCR Research Science Investigatory Project (SIP) Style Book is designed to establish a unified format for the submission of science research projects across schools and divisions within the National Capital Region (NCR). With the increasing need for consistency, clarity, and professionalism in research presentations, this style book serves as a comprehensive guide to standardize the structure, language, and formatting of science investigatory projects submitted to the region.

Research plays a pivotal role in the academic development of students, fostering critical thinking, creativity, and problem-solving skills. However, to ensure that the quality of scientific inquiry meets both national and international standards, it is essential that these projects adhere to a uniform framework. This standardization will allow for the effective evaluation and comparison of projects across divisions, while also enabling students to develop the necessary skills for higher-level research.

The guidelines outlined in this style book cover every aspect of research formatting, from the title page to the bibliography, including proper citation methods, and technical writing standards. By following this style book, students, advisers, and schools will ensure that their investigatory projects reflect the professionalism and rigor required in the scientific community, fostering a culture of excellence in research throughout NCR.

We encourage all stakeholders to utilize this resource to guide students in their research endeavors, ensuring that the research outputs submitted to the region are consistent, credible, and of the highest academic standard.

I. Parts of the Research Paper under TUKLAS¹

Science Fair is not a competition for the thickest research papers. Research papers are to be written in an **IMRaDC format** that is: (1) journal-ready and (2) concise or includes only the important details.

INTRODUCTION - What relevant background information supports your research problem/ questions?

- Explain what is known or has already been done in your research area. Include a brief review of relevant literature. If this is a continuation project, a brief summary of your prior research is appropriate here. Be sure to distinguish your previous work from this year's project.
- Include a brief description on how your project will address an issue, concern or problem. Explain why this research is important and any societal impact of your research.
- It must present the (1) background of the study, (2) hypothesis and statement of the problem, (3) objectives, (4) significance and (5) limitations of the study but not in subsections.

METHODS - What procedures were carried out for the experimentation?

¹ Modified from NSTF Handbook version 2023 and Road to ISEF: Practical Guide in Local Science Fairs by Galang (2014)

- Explain in detail what you did. What data did you collect and how did you collect those data? Discuss your control group and the variables you tested.
- Discuss your control group, the variables you tested, and the statistical treatment used. Handling and disposal of wastes may be included if necessary.
- DO NOT include a list of materials.
- Subsections can be used (usually 1 short paragraph per subsection). It should provide enough details so that others can repeat the experiments following the methods written in the research paper; however, conciseness should be maintained.
- Official title of international/established procedures or tests used in the experiments can be written instead of describing its detailed steps (eg. Retting Process, Resazzurin Test, ASTM #); however, modifications for these international/established procedures or tests must be indicated
- Include photographs, lay-outs, schematic diagrams or drawings especially for inventions and new products.

RESULTS - What were the result(s) of your project?

- Include tables and figures which illustrate your data.
- Include relevant statistical analysis of the data.
- It includes all data gathered from the experiments which can be presented through tables, graphs, figures, etc.
- Appropriate data presentation must be observed. (eg. table vs. graph, bar graph vs. line graph)
- Tables, graphs, figures, etc. should EACH have their respective captions. A good caption must have a Table/Graph/Figure Number and a short description.
- Captions for tables must be placed on top of the table. While those for figures, graphs, diagrams, etc should be placed under them.
- Each table, graph, figure, etc may be accompanied with short descriptions on the trends derived from data analysis conducted
- Subsections may be used especially if multiple distinct tests were conducted (eg. Results from Test No. 1, Results from Test No.2)
- This part of the research paper may begin with: This study determined the _____ as presented with the following tables, graphs and figures.
- No discussions should be presented in this part of the research paper; more than 90% of this part shows only tables, graphs, figures, etc.

For Tables

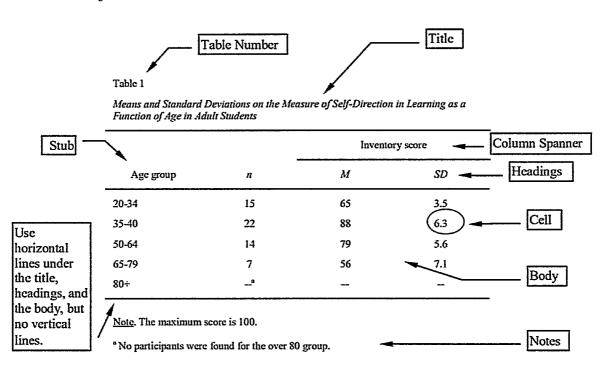
APA Style tables have the following basic components²:

- **number:** The table number (e.g., Table 1) appears above the table title and body in bold font. Number tables in the order in which they are mentioned in your paper.
- **title:** The table title appears one double-spaced line below the table number. Give each table a brief but descriptive title, and <u>capitalize the table title</u> in <u>italic title</u> case.
- headings: Tables may include a variety of headings depending on the nature and arrangement of the data. All tables should include column headings, including a stub heading (heading for the leftmost, or stub, column). The heading "Variable"

² https://apastyle.apa.org/style-grammar-guidelines/tables-figures/tables

is often used for the stub column if no other heading is suitable. Some tables also include column spanners, decked heads, and table spanners; these are described in the *Publication Manual*. Center column headings and capitalize them in sentence case.

- **body:** The table body includes all the rows and columns of a table (including the headings row). A *cell* is the point of intersection between a row and a column.
 - . The table body may be single-spaced, one-and-a-half-spaced, or double-spaced.
 - . Left-align the information in the leftmost column or stub column of the table body (but center the heading).
 - . In general, center information in all other cells of the table. However, leftalign the information if doing so would improve readability, particularly when cells contain lots of text.
- **note:** Three types of notes (general, specific, and probability) appear below the table as needed to describe contents of the table that cannot be understood from the table title or body alone (e.g., definitions of abbreviations, copyright attribution, explanations of asterisks used to indicate *p* values). Include table notes only as needed.



For graphs and charts

APA Style figures have these basic components³:

• **number:** The figure number (e.g., Figure 1) appears above the figure title and image in bold font. Number figures in the order in which they are mentioned in your paper.

³ https://apastyle.apa.org/style-grammar-guidelines/tables-figures/figures

- **title:** The figure title appears one double-spaced line below the figure number. Give each figure a brief but descriptive title, and <u>capitalize the figure title in italic</u> title case.
- **image:** The image portion of the figure is the graph, chart, photograph, drawing, or other illustration itself. If text appears in the image of the figure (e.g., axis labels), use a sans serif font between 8 and 14 points.
- **legend:** A figure legend, or key, if present, should be positioned within the borders of the figure and explains any symbols used in the figure image. <u>Capitalize words</u> in the figure legend in title case.
- **note:** Three types of notes (general, specific, and probability) can appear below the figure to describe contents of the figure that cannot be understood from the figure title, image, and/or legend alone (e.g., definitions of abbreviations, copyright attribution, explanations of asterisks use to indicate *p* values). Include figure notes only as needed.

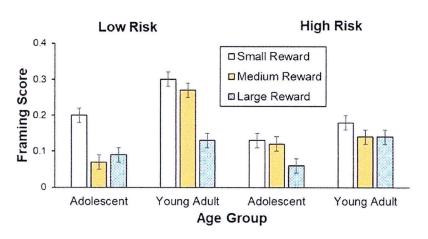
When creating a figure, ensure you meet the following standards:

- · images are clear
- lines are smooth and sharp
- font is legible and simple
- units of measurement are provided
- axes are clearly labeled
- elements within the figure are clearly labeled or explained

Sample graphs and charts:

Figure 1

Framing Scores for Different Reward Sizes

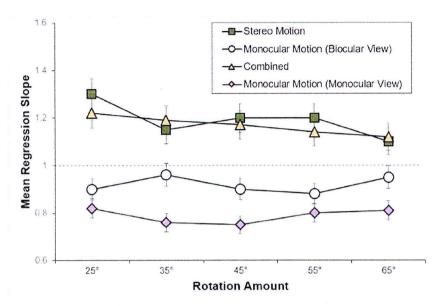


Note. Framing scores of adolescents and young adults are shown for low and high risks and for small, medium, and large rewards (error bars show standard errors).

Sample line graph

Figure 3

Mean Regression Slopes in Experiment 1



Note. Mean regression slopes in Experiment 1 are shown for the stereo motion, biocularly viewed monocular motion, combined, and monocularly viewed monocular motion conditions, plotted by rotation amount. Error bars represent standard errors. From "Large Continuous Perspective Change With Noncoplanar Points Enables Accurate Slant Perception," by X. M. Wang, M. Lind, and G. P. Bingham, 2018, Journal of Experimental Psychology: Human Perception and Performance, 44(10), p. 1513 (https://doi.org/10.1037/xhp0000553). Copyright 2018 by the American Psychological Association.

DISCUSSION - What is your interpretation of these results?

- This part of the research paper should be treated as the "soul" of the research paper and not just as an accessory part.
- Most of the related literatures are integrated in this part and not in the Introduction.
- What do these results mean? Compare your results with theories, published data, commonly held beliefs, and expected results.
- Discuss possible errors. Did any questions or problems arise that you were not expecting? How did the data vary between repeated observations of similar events? How were results affected by uncontrolled events?
- This part of the research paper usually answers the following questions:
 - What are the implications of the results and trends derived from data analysis conducted?
 - What are and how did these factors cause such results and trends?
 - What are the other related research that agree with such results and trends? (If any, indicate how this research varied from the research conducted especially in terms of materials and methods used)

- o What are established scientific knowledge (eg. science laws, basic facts) that can explain or justify such results and trends?
- o What are other related research and/or scientific knowledge that contradict such results and trends? And what are the possible causes of these contradictions?
- o What are and how did these possible errors (eg. unwanted factors) affect such results and trends?

CONCLUSIONS - What conclusions did you reach?

- It should not generalize and should present only conclusion based on the results and trends discussed. Eventually, it should answer the objectives presented in the introduction.
- What do these results mean in the context of the literature review and other work being done in your research area? How do the results address your research question?
- Do your results support your hypothesis/hypotheses? What application(s) do you see for your work?

RECOMMENDATION - It presents what else can be done to improve the research, to widen the knowledge about this research topic, and other variables that can be tested in relation to the research (other researchers of the same interest will usually read this part to conceptualize their own research topic).

ACKNOWLEDGMENT - It includes a FORMAL AND DIRECT message of thanks to the people who contributed SIGNIFICANTLY to the research. It usually includes the names of the adult-sponsor, qualified scientist, regulated research institute, and sponsors if there are any.

REFERENCES- What are your sources?

- List the references/documentation used which were not of your own creation (i.e., books, journal articles).
- Your reference list should be written based on the APA (American Psychological Association) style formatting and citation.

II. Parts of the Paper under Aglitekno (Science Innovation Expo)

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 provide supporting 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 were used and how 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. Directions on how to use the invention are also 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, literature and related studies, commonly held beliefs, and/or expected results. Include a discussion of possible errors, statistics, graphs, pages with your raw collected data, etc. How did 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?

Conclusion

This discusses the potential applications, possible customer benefits, and the impact of the innovation in solving problems and issues of today and tomorrow.

Acknowledgments

This part gives credit to those who have assisted you, including individuals, businesses, and educational or research institutions.

References/Bibliography

Your reference list should be written based on the APA (American Psychological Association) style formatting and citation.

III. General Formatting of the Paper

A well-structured science investigatory project (SIP) follows standardized guidelines to ensure clarity, professionalism, and coherence. The following style guide provides the general formatting for writing a science investigatory project, with particular attention to the norms followed in academic research papers. These guidelines are based on common academic conventions, which may vary slightly depending on institutional requirements or formatting style (e.g., APA, MLA). The general rule is that we will follow what the **Central Office Issuance** for that year indicates. **As a default, we will use the APA formatting style.**

A. Paper Formatting

- **Paper Size:** A4 (210mm x 297mm)

- Margins: 1 inch (2.54 cm) on all sides

- Font: Arial, size 12 (recommended)

- **Line Spacing:** Double-spaced (2.0)

- **Alignment:** Left-aligned for text, justified for body paragraphs

- **Indentation:** 0.5 inch (1.27 cm) for the first line of each paragraph

- **Page Numbers:** In the top-right corner, starting on the title page. There should be NO markings in the headers and footers except the page number.

B. Title Page

- **Title:** Centered, bold, and in title case (e.g., *The Effect of Organic Fertilizers on Tomato Growth*). Avoid abbreviations and unnecessary capitalization.
- Information: Below the title, include the following in separate lines (centered):
 - o Your project code (example: PST-DO17)
 - o The words: Presented to the Members of the Scientific Review Committee and Board of Judges of the Regional Science and Technology Fair 2024
 - o Name of student researchers
 - Name of research adviser
 - o Name of consultant/s, if any

Sample Title Page:

Soil-Borne Entomopathogenic Fungi as a Potential Biocontrol Agent Against Cocolisap (Aspidiotus spp.)

LST-RO16

Presented to the Members of the Scientific Review Committee and Board of Judges of the National Science and Technology Fair 2020

> Angelica Isabell L. Caluya Eisen Gabriel P. Francisco Daniel Francis P. Sales Sludent Researchers

> Ms. Ayra Patricia S. Alvero Research Adviser

C. Table of Contents

Sections: Include all major sections with corresponding page numbers. Example:

- Abstract
- Introduction

- Methodology
- Results and Discussion
- Conclusion and Recommendations
- References
- Appendices

Format: Aligned left, double-spaced, with page numbers right-aligned.

D. Main Part of the Paper

General Formatting

- **Headings and Subheadings:** Use bold, centered headings for each major section (e.g., Introduction, Methodology). Subheadings (e.g., Research Design, Data Collection) should be bold and left-aligned.
- Paragraph Structure: Each paragraph should introduce one main idea. Avoid lengthy paragraphs that discuss multiple concepts. Ensure smooth transitions between sections.

Tense:

- o **Past tense** is typically used for the Methodology (e.g., "The experiment was conducted...") and Results sections (e.g., "Data were analyzed...").
- o **Present tense** may be used for background information and general discussion (e.g., "This research suggests...").
- **Voice:** Write in the third person and avoid personal pronouns (e.g., "The researcher" instead of "I" or "we").
- Acronyms/Abbreviations: Define the first use of any acronym or abbreviation, followed by the acronym in parentheses. Example: Department of Science and Technology (DOST)

Content

- **Clarity:** Use clear and concise language to explain each section. Avoid unnecessary jargon. Scientific papers should aim for precision and accuracy in the description of the research process and results.
- **Logical Flow:** Ensure that each section follows logically from the previous one. For example, the introduction should lead smoothly into the methodology, which should naturally segue into the results and discussion.
- Evidence and Support: Back up claims with data and references to the literature. Use in-text citations following APA 7th edition style whenever quoting, paraphrasing, or referring to another source.

Tables, Figures, and Data Presentation

- **Placement:** Place tables and figures as close as possible to their first mention in the text. Each table and figure should be numbered (e.g., Table 1, Figure 1) and include a descriptive title or caption.
- Labels: Ensure that all tables, graphs, and figures are clearly labeled, with units of measurement specified where appropriate.
- **Textual Explanation:** Always provide a brief description or discussion of the data presented in the table or figure. Explain the relevance of the data in the context of your research findings.

Citations and Sources

- In-Text Citations: Follow APA 7th edition for all citations. Provide author(s) and year of publication when referring to another study or source (e.g., Smith, 2020).
- **Paraphrasing:** When paraphrasing, ensure that the original meaning is retained, and credit is given to the original author.
- **Direct Quotations:** Use sparingly. When quoting directly, include the page number in the citation (e.g., "Smith, 2020, p. 15").

E. References

- Heading: Centered and bold
- Style: Use APA 7th edition formatting for references.
- **Format:** List all references in alphabetical order by the authors' last names. Double-space and use a hanging indent for each entry.
 - o Book Example: Lastname, F. M. (Year). Title of the book. Publisher.
 - o **Journal Article Example:** Lastname, F. M., & Lastname, F. M. (Year). Title of the article. *Journal Name*, *Volume*(Issue), pages.
 - Website Example: Lastname, F. M. (Year, Month Date). Title of the page.
 Website Name. URL

F. Appendices

- Heading: Centered and bold
- **Content:** Include supplementary materials such as raw data, experimental data, additional photos, or additional graphs. Label each appendix as "Appendix A," "Appendix B," etc.
- **Format:** Each appendix starts on a new page.

ENCLOSURE 11: NON-DISCLOSURE AGREEMENT FOR SRC/BOJ

NON-DISCLOSURE AGREEMENT

I,		, of lega	l age, Filipino, and
with	residence	address	at
			, have
accepte	ed the role as Scientific Review (Committee (SRC) a	nd Judge for the
202_	Science and Techno	ology Fair (_STF).	
I undei	stand that everything that I receive	and access from the	series of activities
is the	property of the proponents ar	nd should be trea	ted with utmost
confide	entiality. Hence, I commit not to co	opy, reproduce, mul	tiply, photograph,
share,	and disseminate any part of the n	naterials, informatio	n, document, and
output	. I am obligated to use the mate	rials only within th	e duration of the
activiti	es until its completion based on my	Terms of Reference.	
I unde	estand that if I am found to have vic	lated the conditions	set for the service
I rende	red, I will be held accountable for n	ny actions.	
CONFO	DRME:		
Signati	are Over Printed Name of Judge/SR	C	
	address:		
Witnes	sed by:		

ENCLOSURE 12: LEARNER MEDIA RELEASE AND CONSENT FORM

Address: ______
Date: _____

I, the undersigned, hereby grant the Department of Education
of me, my work, and performances.
I also grant to the right to edit, use, and reuse said products for nonprofit purposes including use in print, on the internet, and all other forms of media. I also hereby release the Department of Education and its and employees from all claims, demands, and liabilities whatsoever in connection with the above.
I certify that I have read the Media Consent and Release Form and fully understand its terms and conditions.
Agreed and accepted by Signature of Learner: Date:
Address of Learner:
Parental Consent:
I certify that I am the parent or guardian of,, a minor under the age of eighteen years. I hereby agree to assume legal responsibility of his/her authorizations referred to in this Form.
Parent/Guardian Signature Over Printed Name: