




Republic of the Philippines
Department of Education
REGION V - BICOL
SCHOOLS DIVISION OFFICE OF CATANDUANES

DepEd - Division of Catanduanes
RECORDS SECTION
RELEASED
BY: _____ No: 540
DATE: 29 JUL 2024 TIME: 2:57

UNNUMBERED MEMORANDUM
OSDS-CID-07/29/2024/NGC

TO : Chief Education Supervisor, CID
Education Program Supervisor (Science)
Elementary and Secondary School Heads
All Others Concerned

FROM : 
SOCORRO V. DELA ROSA, CESO V
Schools Division Superintendent

SUBJECT : **SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS EXPO (STEM EXPO)**

DATE : **July 29, 2024**

1. Attached is an invitation from The Philippine Society of Youth Science Clubs (PSYCH) Inc. to their conduct of the Science, Technology, Engineering, Mathematics Expo (STEM EXPO) on September 7-8, 2024 at UP Fine Arts Gallery with the theme "Rebooting Filipino Innovation, Reinventing the Next Generation".
2. The senior high school students are invited as contest participants while elementary and secondary students are invited as audience and spectators of the event.
3. For more details visit the Facebook Page www.facebook.com/psysc.stemex or email the secretariat at stemexpo2024@gmail.com
4. For information.

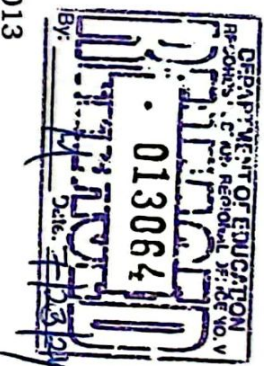


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ADVISORY No. 171 s. 2024

March 25, 2024

In compliance with DepEd Order (DO) No. 8, s. 2013

This advisory is issued not for endorsement per DO 28, s. 2001,

But only for the information of DepEd Officials,
Personnel/staff, as well as the concerned public

**SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS EXPO
(STEM EXPO)**

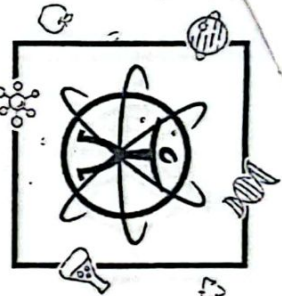
The Philippine Society of Youth Science Clubs (PSYSC) Inc. will conduct the Science, Technology, Engineering, and Mathematics Expo (STEM EXPO) on September 7-8, 2024 at the UP Fine Arts Gallery with the theme “Rebooting Filipino Innovation, Reinventing the Next Generation”.

The senior high school students are invited as contest participants while elementary and secondary students are invited as audience and spectators of the event.

For more details pls. visit the Facebook Page www.facebook.com/dsysc.stemex or email the secretariat at stemexpo2024@gmail.com.

For information.

CIMD/ched
7/22/2024



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Pambansang Kapisanan ng mga Kabataan Samahan ng Agham
(PHILIPPINE SOCIETY OF YOUTH SCIENCE CLUBS), Inc.

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July 18, 2024

MR. GILBERT T. SADSAD

Regional Director, Department of Education Region V

Dear Mr. Sadsad,

Greetings from the science clubbing movement!

The Philippine Society of Youth Science Clubs (PSYSC), Inc. is a nationwide organization dedicated to upholding the spirit of science clubbing and committed to promoting the public understanding of science, technology, and the environment (PUSTE). For over 52 years, PSYSC has continually conducted impactful activities and programs tailored towards elementary and high school students. Our aim is to empower and spark the interest of the youth towards science and technology and foster a deeper awareness and understanding of environmental and social issues.

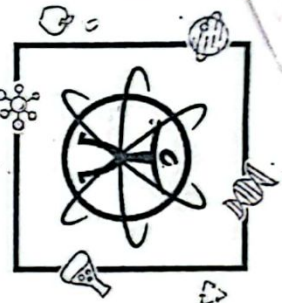
This 2024, PSYSC will be bringing back the Science, Technology, Engineering, and Mathematics Expo (STEM EXPO), with the theme "Rebooting Filipino Innovation, Reinventing the Next Generation". Only senior high school students (Grades 11 and 12) and Undergraduate College Students can join the competitions, but the event is open to all who are interested to to watch and experience.

STEM EXPO is a two-day series of competitions, exhibits, and conferences showcasing innovative ideas and groundbreaking advances in the field of science, technology, engineering, and mathematics. The event will be held from September 7-8, 2024 at UP Dilliman Fine Arts Gallery, Metro Manila. The event promotes the excellence, and ingenuity of the Filipino youth through different competitions such as:

IGEN: INNOVATION 2024—The IGen: Innovations Competition is a major sub-event competition that is set to feature a diverse array of innovation projects/products developed by senior high school students aimed at addressing the nation's current and emerging challenges. This year, entries will be categorized based on their relevance to the following fields: (1) Health and Well-Being, (2) Zero Hunger, Food, and Agriculture, (3) Marine and Ecosystem, and (4) Disaster and Climate Change.

PSYSC





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Pambansang Kapisanan ng mga Kabataan Samahang ng Agham,
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IGEN: IDEATHON 2024— a major sub-event of STEM EXPO, this is a 24-hour-long competition for teams for this year's STEM EXPO. Teams are expected to create and develop solutions utilizing the resources, knowledge, and technology they have to address a given problem that is currently relevant to our country. There will be a central theme or problem announced on the spot during the contest, and teams must devise possible solutions while aligning with the Sustainable Development Goals. Solutions may take the form of prototypes (e.g., websites and apps), project concepts, or program proposals.

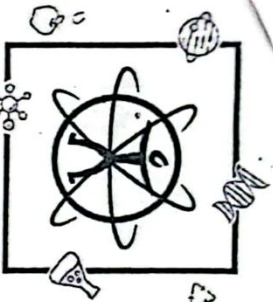
IP FAIR 2024— The Investigatory Projects (IP) Fair, another major sub-event of STEM EXPO, is a nationwide research fair and competition for senior high school students, offering them an avenue to present and showcase their projects and research studies to both their peers and public. The competition comprises three categories: (1) Life Science, (2) Physical Science, (3) Applied Science and (4) Mathematical Science. This intends to promote and foster appreciation for these diverse fields of science while enhancing awareness of scientific knowledge among students and the general public alike that encourages to translate and develop these projects into practical solutions for the people.

PSYSC SCIENCE JOURNALISM CONTEST 2024— a minor sub-event of STEM EXPO aimed at promoting effective communication and critical thinking in science journalism among young Filipino students. This contest is a nationwide school press conference focused on breakthroughs and discoveries in the field of science and technology. This contest offers students opportunities to enhance their writing, reporting, and news-informing abilities, thereby promoting effective communication and awareness specifically for science, technology, engineering, and mathematics news and information throughout the country.

PSYSC SCIENCE SHORT FILM FESTIVAL 2024— The Science Short Film Festival is a minor sub-event that serves as an amateur filmmaking competition and film festival with the primary goal of promoting the PSYSC's thrust: the public understanding of science, technology, and the environment (PUSTE). This year's theme, "Rebooting Filipino Innovation, Reinventing the Next Generation," aims to inspire and engage the youth to actively participate in advocating for the advancement of science and technology within our nation.

PSYSC





**Pambansang Kapisanan ng mga Kabataan Samahan ng Agham
(PHILIPPINE SOCIETY OF YOUTH SCIENCE CLUBS), Inc.**

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In line with this, we would like to request your assistance on improving our reach to the youth by issuing a DepEd Regional Advisory. We want to invite senior high school students (Grades 11 and 12) and undergraduate college students to become contest participants and to invite delegates (Grades 1-12 and college students and teachers) as spectators and audience of the event. This letter also includes:

General information about PSYC;
List of the Officers of the Organization;
A copy of Security and Exchange Commission (SEC) Registration Certificate.

Particularly, we would like to give emphasis on including this line on the advisory:
"For the details on how to join the different competitions and/or as delegates, including application and registration fees, complete guidelines for competitions, deadlines, and important announcements, please refer to our Facebook Page www.facebook.com/psycstemex"

The organization is eager on imparting this experience, the STEM EXPO, to the youth. With your aid, we can train young minds into environmentally-aware and concerned citizens of this country by continually supporting the science clubbing movement and taking part in living a sustainable lifestyle for a better tomorrow.

Should you have any questions or additional documents to be required from us, please do not hesitate to communicate with us using the contact details provided in this letter.

Thank you very much and more power!

In the service of the Filipino Youth,

KIMBERLY DENNISE T. ANG
Secretariat Head STEM EXPO 2024
+63-928-219-5733 | stemexpo2024@gmail.com

PSYSC





STEM EXPRM 2024

REBOOTING FILIPINO INNOVATION,
REINVENTING THE NEXT GENERATION

General Event Primer

STEM EXP^{RM} 2024

"Rebooting Filipino Innovation,
Reinventing the Next Generation"

September 2024 | METRO MANILA, PHILIPPINES

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by Philippine Society of Youth Science Clubs

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First Edition

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EVENT DETAILS

Science, Technology, Engineering, and Mathematical Expo 2024

ABOUT THE EVENT

The *STEM EXPO* is a two-day event featuring competitions and exhibits designed to provide a platform for Grades 10-12 students to showcase their innovative ideas and groundbreaking advances in science, technology, engineering, and mathematics (STEM). Its primary objective is to cultivate the Filipino youth's skills in promoting and enhancing the field of STEM, integrating it into the daily lives of Filipinos, and preparing them as future leaders in this field. This year's STEM EXPO will take place in Metro Manila and will include the following competitions: (1) *IGent*, (a) *Ideathon* and (b) *Innovations*, (2) *ResearchCon*, (3) *Science Short Film Festival*, and (4) *Science Journalism Competition*.

STEMPOSIUM

The *STEMposium* is an open conference series on science research practice and technology innovations that aims to gather scientists, academicians, researchers, businesspeople, government officials, working professionals, and university students to present, discuss, and exchange new ideas and current thought on science research practice and technology innovations development in the Philippines.

This year, the central and general theme is Filipino Ingenuity, supplemented by the open conference talks on the following particular areas: (1) On Science Education, (2) On Medical Research, (3) On Transportation and System, (4) On Business and Work, and (5) On Policy and Community Development.

MAJOR AND MINOR COMPETITIONS

The *IGent: Innovations* is a major sub-event competition that is set to feature a diverse array of innovation projects/products developed by senior high school students aimed at addressing the nation's current and emerging challenges. This year, entries will be categorized based on their relevance to the following fields: (1) Health and Well-Being, (2) Automation and Machine Technology, (3) Agriculture and Fisheries, and (4) Disaster and Climate Change.

The *Ideathon* is a 24-hour-long competition for teams for this year's STEM EXPO. Teams are expected to create and develop solutions utilizing the resources, knowledge, and technology they have to address a given problem that is currently relevant to our country. There will be a central theme or problem announced on the spot during the contest, and teams must devise possible solutions while aligning with the Sustainable Development Goals. Solutions may take the form of prototypes (e.g., websites and apps), project concepts, or program proposals.

The *ResearchCon* is a nationwide research fair and competition for senior high school students, offering them an avenue to present and showcase their projects and research studies to both their peers and public. The competition comprises three categories: (1) Life Science, (2) Physical Science, (3) Applied Science and (4) Mathematical Science. This intends to promote and foster appreciation for these diverse fields of science while enhancing awareness of scientific knowledge among students and the general public alike that encourages to translate and develop these projects into practical solutions for the people.

The *Science Short Film Festival* serves as an amateur filmmaking competition and film festival with the primary goal of promoting PSYSC's thrust: *the public understanding of science, technology, and the environment* (PUSTE). This year's theme, "Rebooting Filipino Innovation, Reinventing the Next Generation," aims to inspire and engage the youth to actively participate in advocating for the advancement of science and technology within our nation.

The *Science Journalism Competition* is a nationwide school press conference focused on breakthroughs and discoveries in the field of science and technology. It comprises of four categories: (1) News Writing, (2) Feature Writing, (3) Editorial Writing, and (4) Editorial Cartooning. This contest offers students opportunities to enhance their writing, reporting, and news-informing abilities, thereby promoting effective communication and awareness specifically for science, technology, engineering, and mathematics news and information throughout the country. Consequently, the contest will refine their communication skills and critical journalism, especially in STEM-specific topics.



COMPETITIONS GUIDE

Eligibility, Awards and Prizes, and Application Guidelines

ii. Science Journalism: The Science Journalism Contest is a nationwide school press conference focused on breakthroughs and discoveries in the field of science and technology. It comprises four (4) categories: (1) News Writing, (2) Feature Writing, (3) Editorial Writing, and (4) Editorial Cartooning. This contest offers students opportunities to enhance their writing, reporting, and news-informing abilities, thereby promoting effective communication and awareness specifically for science, technology, engineering, and mathematics news and information throughout the country. Consequently, the contest will refine their communication skills and critical journalism, especially in STEM-specific topics.

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AWARDS

1. There will be an **Overall Grand Champion, Overall First Runner-up, Overall Second Runner-up, and Most Number of Dialogues**. Participating schools will be ranked based on their number of wins according to the point system as follows:

a. Major Competitions

First Place	100 points
Second Place	75 points
Third Place	50 points
Other Pieces	25 points
Special Awards	50 points

a. Minor Competitions

First Place	50 points
Second Place	40 points
Third Place	30 points
Other Pieces	20 points



OVERALL GUIDELINES

1. The **STEM Expo** will have five competitions categorizing them into the following: 2 major and 2 minor competitions:

a. Major Competitions

i. Ideas Generation and Ideathon: This competition comprises two sub-events: Innovations and Ideathon. Its overarching objective is to empower the youth to cultivate the ideas in mind that can evolve into tangible solutions, thereby fostering positive impact for both society and the environment.

1. Innovation: This competition is a 2-month long competition where participants are expected to have a tangible product.

2. Ideathon: This is a 24-hour-long hackathon competition where participants need to pitch their solution to the given problem.

ii. ResearchCart: Participants are provided with a platform to showcase their latest breakthroughs in the STEM field, thereby promoting knowledge and awareness among the public. They are encouraged to translate their ideas into palpable solutions that not only contribute to the pool of scientific knowledge but also implement and integrate it effectively.

b. Minor Competitions

i. Science Short Film Festival: This is an amateur film festival that focuses on STEM topics, sharing the same vision as other competitions by showcasing how STEM influences our daily lives through the art of filmmaking. This initiative contributes to balancing art and science.



iGen: Innovation

Eligibility

1. The competition is open to all Grade 10-12 students in the Philippines.

2. The entry can be a team composed of three (3) to five (5) members only with one (1) team adviser. The adviser will only oversee and will not participate in the project process or presentation on behalf of the team.

3. Participating schools can have a maximum of five (5) project entries in the competition.

4. The registration fee should be submitted together with the application form and project entry profile via the provided link: bit.ly/GenInnovations-Asia on or before July 18, 2024 11:59 PM (PHT). The fee will be paid through the PYSOC's official bank account, Landbank of the Philippines Acct No. 0702-1020-45. The fee is non-refundable.

a. Registration Fees

i. P 3,000.00 per Affiliated team
ii. P 4,500.00 per Non-affiliated team

Guidelines

1. EVENT PARTICIPATION

a. The competition has one bracket only for High School students enrolled in AY 2023-2024

Project comprises four categories:

- i. Health and Well-being. Innovations in healthcare that have demonstrated potential for high-impact transformation of our society to live well, be healthy, and enjoy life better belong to this category. Project entries in this category focus on improving the physical, mental, and social well-being of individuals and communities through prevention, diagnosis, or treatment. Technologies or social processes that enable people to better monitor their health, to more accessible seek medical treatment, to more effectively prevent illnesses, to highly improve hygiene and sanitation, and to more happily live a healthy daily life are examples of project entries that fit into this category.
- ii. Agriculture and Fisheries. Innovations that have demonstrated a lead in the agricultural sector belong to this category. Project entries in this category focus on providing new ways to ensure a food-secure future for the Philippines. The innovation could be about commercial and market-oriented agriculture and aquaculture technology, as well as small-scale and subsistence farming methods. These innovations have the promising technology and/or business models to enhance agricultural yields and productivity, decrease post-harvest losses, improve and increase agribusiness opportunities and revenue, or increase energy efficiency in farm operations. Project entries that aim to transform global food systems into one that facilitates sufficiency and resilience fit into this category.
- iii. Disaster and Climate Change. Innovations that have demonstrated a lead in empowering both decision-makers and local citizens to play a more proactive role in mitigating and managing disaster risks and hazards, proposing more effective ways in disaster response belong to this category. Project entries in this category focus on ensuring safety of lives and livelihood, developing localized innovations in technology, communication, or community-based early warning systems, creating hazard-resilient designs and materials belonging to this category.
- iv. Automation and Machine Technology. Innovative technologies in the information, communication, manufacturing, or service sectors that address key economic and community challenges belong in this category. Entries include software, mobile, wireless technologies, and local language machine technology, aiming to create added value, generate, customer-oriented, or higher quality products and services. Projects introducing new business processes to generate added value in modern industries also fit here.

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2. INNOVATIONS AND SPECIFICATIONS

- a. Each category consists of four (4) phases:
 - i. Ideation Phase (Application)
 - ii. Exposition Phase
 - iii. Action Phase (Pitch)
 - iv. Success Phase

Listed below are the guidelines for each phase:

- a. Ideation Phase
 - i. Teams are expected to generate and submit their innovative ideas.
 - ii. Teams are required to present their innovation using the provided template:
 - a. Brief Background of the Project Entry
 - b. Brief Description of the Technology/Process
 - c. Brief Relevance and Significance of the Project Entry
 - d. Methodology of the Project Entry
 - e. Market Analysis and Product Marketability
 - f. Image of the Product
 Template: bit.ly/GentInnovationActionPhaseProjProfile
 - iii. The submission deadline is July 18, 2024, 11:59 PM.
 - iv. Entries must not be on entry to other competitions of the STEM EXPO.
 - v. Participants must recognize and respect intellectual property rights. Teams engaging in misconduct will face automatic disqualification. This includes but is not limited to: the fabrication of data and/or results, falsification, manipulation of research materials, including false references, plagiarism, or any other actions deemed as misconduct by the organizers. PSTSC shall not be held responsible for any infringements or misconduct committed by the team.
- b. Exposition Phase
 - i. Each team will be allocated dedicated booth spaces to showcase their project entries to a panel of judges and the general public. Participating teams are required to present their product of innovation and hold full responsibility for the setup, manning, supervision, and removal of their respective booth spaces.

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- ii. Teams must provide at least one (1) printed exhibited poster with the dimensions of 3 ft by 4 ft (width x length) during on-event registration. Failure to comply with the instructions and submit the poster itself will result in disqualification.
- iii. Teams must also submit a presentation in .pdf or .pptx format if they qualify for the final defense phase. The presentation must have 5-10 slides, including references. This is to be submitted within an hour after the announcement of the top 5 finalists.

d. Action Phase (Pitch)

- i. Only the Top Five (5) Gen: Innovation Entries qualify for the Pitch which will be announced on September 8, 2024. At this stage, the qualified participating teams shall be given a minimum of seven (7) minutes and a maximum of ten (10) minutes only with one presenter to present their entry in front of the panel of judges in an open-door and on-stage setting.
- ii. There will be a 5-minute question and answer segment from the judges and sponsors.

e. Success Phase

- i. After the competition proper, PSTSC may propose options or open opportunities to further develop or fund project ideas for all teams qualified for the calls to action phase.
- ii. In the event of a member's withdrawal due to illness or any reasons, replacements will not be allowed and only the members who can go can proceed to the event.

3. SUBMISSIONS

EVENT	LINK	DEADLINE
Application/Registration Form (Ideation Phase)	bit.ly/GentInnovation-App	July 18, 2024, 11:59 PM
Proof/s of Enrollment		July 18, 2024, 11:59 PM
Registration Fee		July 18, 2024, 11:59 PM

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Proof of Payment	bit.ly/GentInnovation-Appe	July 18, 2024, 11:59 PM
Project Entry Profile		July 18, 2024, 11:59 PM
Innovation Product		September 7, 2024
Exhibit Poster		September 7, 2024
Pitch		September 8, 2024

4. AWARDS

- a. There will be a Champion, First Runner-up, Second Runner-up, Best in Exhibit and Best Presenter for each category and bracket.

Award	Prize
Champion	Cash Prize (P9,000.00) Award Plaque Certificate
First Runner-Up	Cash Prize (P7,000.00) Award Plaque Certificate
Second Runner-Up	Cash Prize (P5,000.00) Award Plaque Certificate
Best in Exhibit	Award Plaque Certificate
Best Presenter	Award Plaque Certificate

- b. Participants eligible for the competition shall receive a Certificate of Participation each.
- c. The decision of the panel of judges is final and irrevocable.

Position Phase
 a. The panel of judges shall evaluate the technical and scientific aspects, marketability, and innovativeness of the project entries. The said panel shall also evaluate the ability of the members of the qualified participating teams to explain and present their respective project entries.

COMPONENT	DESCRIPTION	PERCENTAGE
Innovation	This includes the uniqueness and innovativeness of the project entry; its level of upgrade and improvement in comparison with similar or alternative products and/or services already in the market.	30.00%
Marketability	This includes the feasibility and commerciality of the project entry in entering the current market; evaluating its costs and accessibility to its target market; and if it can be profitable and/or self-sustained.	25.00%
Technical Aspects	This includes the extent as to which the scientific and/or technical specifications of the project entry is grounded on established scientific knowledge; how it sufficiently addresses anticipated product and/or system risks.	20.00%
TOTAL		100.00%

Scalability	This includes the extent and possible reach as to which the project entry can be applied and/or utilized by communities beyond the current and immediate context of the project entry.	15.00%
Mastery and Delivery	This includes the mastery and/or familiarity on the related subject matter; is able to explain, elaborate, and respond adequately to questions and/or clarifications about the project entry; as well as poise, confidence, and stage presence.	10.00%
TOTAL		100.00%

Exhibit Presentation	This includes the quality of the product prototype, output, and/or model presented during the exhibit, as well as the content, organization, and relevance of information presented.	15.00%
Knowledge	This includes the mastery and/or familiarity on the related subject matter; is able to explain, elaborate, and respond adequately to questions and/or clarifications about the project entry.	10.00%
TOTAL		100.00%

Action Phase

a. The panel of judges shall evaluate the projected scale and the potential social impact of the project entries.

COMPONENT	DESCRIPTION	PERCENTAGE
Exposition Phase Score	This includes the overall technical quality, equivalent sum of the innovativeness, marketability, and scientific and/or technical validity of the project entry during the Exposition Phase.	50.00%
Relevance and Impact	This includes the ability of the project entry to create and/or affect positive and desirable benefits to society (beyond profit) over the target community and/or other possible stakeholders.	25.00%



iGen: Ideathon

Eligibility

1. The competition is open to all Grades 10-12 students in the Philippines.
2. The entry is by a team composed of a minimum of three (3) and a maximum of five (5) team members only.
3. Each school can have a maximum of eight (8) teams and each team can have a maximum of one (1) entry only.
4. The registration fee for the competition will be paid through the PSYSC's official bank account, Landbank of the Philippines Acct No. 0702-1020-65. The deadline for online application is July 18, 2024, 11:59 (PHT). An onsite application on September 7, 2024 from 8:00 AM to 9:30 AM will also be available. The fee is non-refundable.

a. Registration Fees

- 1. P 3,000.00 per Affiliated team
- 2. P 4,500.00 per Non-affiliated team

Guidelines

1. EVENT PARTICIPATION

- a. The competition has only one bracket:
- 1. Bracket 1 for High School students;

2. IDEATHON SPECIFICATIONS

- a. Teams must create a solution for the given problem in the form of a product prototype, project concept, or program proposal.

COMPONENT	DESCRIPTION	PERCENTAGE
Originality, and Creativity/Innovation	This includes originality, novelty of idea, and uniqueness of concept.	15.00%
Functionality and Quality	This includes the ability of the concept/product to address the issue, the quality of its design, and its performance.	25.00%
Relevance and Impact	This includes how the solution is aligned with the identified problem and its potential benefits on individuals and society as a whole.	20.00%
Feasibility, Marketability, and Sustainability	This includes obtaining SMART goals, which refers to its practicality, achievability, potential to attract consumers, and its impact on the environment.	15.00%
Collaboration	This shows how the teams effectively work together as a team.	10.00%
Presentation and Pitch	This includes the clarity, ability to persuade, and delivery of their concept, which also encompasses communication skills, visual aids, and organization.	15.00%
	TOTAL	100.00%



ResearchCon

Eligibility

1. The competition is open to all Grades 10-12 student in the Philippines;
 2. The entry can be an individual or a team composed of a maximum of three (3) team members only with one (1) team adviser. The adviser will only oversee and will not participate in the project process or presentation on behalf of the team.
 3. Participating schools can have a maximum of five (5) project entries per category in the competition.
 4. An entry must not be an entry to other competitions of the STEM EXPO.
 5. The registration fee should be submitted together with the application form via this link: bit.ly/ResearchConApp on or before July 19, 2024 11:59 PM (PHT). The fee will be paid through the PYSYC's official bank account, Landbank of the Philippines Acct No. 0702-1020-45. The fee is non-refundable.
- a. Registration Fees
- i. P 2,000.00 per Affiliated team
 - ii. P 3,500.00 per Non-affiliated team

Guidelines

1EVENT PARTICIPATION

- a. The competition comprises four (4) categories:
- i. Life Sciences. This category covers sciences related to living organisms and their processes. It includes projects that observe,

2. RESEARCHCON SPECIFICATIONS

a. The competition consists of three (3) parts: Paper Submission, In-Booth Presentation, and Final Defense.

1. Paper Submission

1. This part involves submission of the final paper. The application deadline for the initial assessment is July 18, 2024 at 11:59PM.
2. Requirements:
 - a. This part requires the full completion of the application forms and payment of the fee. Please note that the application fee is non-refundable.

understand, and develop living organisms, their interactions, and biological phenomena. Fields like Agriculture, Behavioral and Cognitive Sciences, Biochemistry, Botany, Cellular and Molecular Biology, Medicine and Health Sciences, Microbiology, Zoology, Animal Sciences, and others fall under this category.

ii. Physical Sciences. This category involves natural sciences that study non-living physical matter and nature's properties. Fields such as Astronomy, Chemistry, Earth Science, Physics, and others are part of this category.

iii. Applied Sciences. This category applies scientific knowledge to develop practical solutions for daily life. Projects focus on emerging technologies to address societal challenges; Fields like Biomedical Engineering, Chemical Engineering, Civil Engineering, Embedded Systems, Energy Engineering, Engineering Mechanics, Materials Engineering, Systems Software and Computer Sciences, and others are included.

iv. Mathematical Sciences. This category encompasses the study of measurements, properties, and relationships using numbers and symbols, along with deductive studies of numbers, geometry, and abstract constructs. Fields such as Algebra, Combinatorics, Graph Theory and Game Theory, Geometry, Topology, Number Theory, Probability and Statistics, and others are part of this category.

II. In-Booth Presentation

1. Teams will be assigned to their dedicated booth spaces to present and exhibit their project entries to a panel of judges and the general public during the STEM EXPO 2024. The participating teams shall have full responsibility for the set-up, monitoring, supervision, and pull-out of their respective booth spaces. No STEM EXPO staff will be assisting the team. At the end of this phase, the top five (5) projects across all categories will be chosen.

2. Requirements:

- a. Teams must provide at least one (1) printed exhibit poster with the dimensions of 36 by 4 ft (width x length) during on-site registration. Failure to comply and submit the poster itself will result in disqualification.
- b. Teams must also prepare a presentation in .pdf or .ppix format in case they qualify for the final defense phase. The presentation must have 5-10 slides, including references. This must be submitted within an hour after the announcement of the top 5 finalists.

III. Final Defense Phase

1. Only the Top Five (5) PSYSC JP Fair Project across all categories qualify for the Final Defense Phase which will be announced on September 8, 2024.
2. The paper submission and in-booth components will each account for 50% of the team qualification process.
3. At this stage, the qualified participating teams shall be given a minimum of five (5) and a maximum of seven (7) minutes only to present their entry in front of the panel of judges in on-stage setting.
4. There will be a 5-minute question and answer segment from the judges and sponsors.
 - a. Anyone from the team will have the opportunity to provide answers to questions posed during this session.
 - b. Participants can create original and new entries or can submit their previous studies or thesis, demonstrating their knowledge and abilities while respecting intellectual property rights. Teams engaging in research misconduct will face automatic disqualification. This includes but is not limited to the fabrication of data and/or results, falsification, manipulation of research materials, including false references, plagiarism, or any other actions deemed as misconduct by the organizers. PSYSC shall not be held responsible for any mishandlings or misconduct committed by the team.
 - c. In the event of a member's withdrawal due to illness or valid reasons, replacements may be made by a bona fide senior high school student. Competitions held must be informed of such changes three (3) days prior to the submission deadline.

1. SUBMISSION

EVENT	LINK	DEADLINE
Application/Registration Form		July 18, 2024, 11:59PM
Proof/s of Enrollment		July 18, 2024, 11:59PM
Journal Paper	http://ResearchGate.com	July 18, 2024, 11:59PM
Certificate of Originality of Work		July 18, 2024, 11:59PM
Registration Fee		July 18, 2024, 11:59PM
Proof of Payment		July 18, 2024, 11:59PM
Exhibit Poster		September 7, 2024
Presentation		September 8, 2024

4. AWARDS

a. There will be an Overall Champion, Overall First Runner-up, and Overall Second Runner-up per category. There will also be Best in Exhibit and Best Presenter in all categories. The awards will have the following prizes:

Award	Prize
Overall Champion	Cash Prize (P9,000.00) Award Plaque Certificate
Overall First Runner-Up	Cash Prize (P7,000.00) Award Plaque Certificate
Overall Second Runner-Up	Cash Prize (P5,000.00) Award Plaque Certificate
Best in Exhibit	Award Plaque Certificate
Best Presenter	Award Plaque Medal Certificate

2. In-Booth Presentation

COMPONENT	DESCRIPTION	PERCENTAGE
Quality and Content	Technicality, grammar, thoroughness, and clarity of extended abstract	30.00%
Research Title and Abstract	Conciseness and Impact; interest to audience	5.00%
Introduction	Objectives, hypothesis, significance of the study, and scientific importance	15.00%
Methodology	Conciseness and impact; experimental designs used	25.00%
Results and Conclusion	Validity, organization of results, implications	25.00%
TOTAL		100.00%

Judging and Criteria

I. Paper Submission Part

- a. The panel of judges shall evaluate the technical and scientific aspects, marketability, and innovativeness of the project entries. The said panel shall also evaluate the ability of the members of the qualified participating teams to explain and present their respective project entries.

COMPONENT	DESCRIPTION	PERCENTAGE
Content	This includes the introduction, methodology, experimental designs, conclusion and recommendations, and validity.	40.00%
Relevance and Impact	This relates to how the research aligns with the objectives and category of this event.	20.00%

Delivery and Mastery	This includes the research knowledge, answers to questions, scientific explanations, mastery of the topic, structure, logical flow of presentation eye contact, confidence, ability to convey ideas	20.00%
Exhibit Poster	This encompasses the comprehensiveness, appeal, and format of the poster.	20.00%
TOTAL		100.00%

3. Final Defense Phase

COMPONENT	DESCRIPTION	PERCENTAGE
Clarity and Relevance	This includes the research method, innovativeness, societal impact, importance, ingenuity, and skills.	20.00%
Quality	This includes the content and organization, validity, reliability, data and results, consistency, feasibility.	25.00%
Mastery and Knowledge	This includes the research knowledge, answers to questions, scientific explanations, master of the topic, and structure.	25.00%
Overall Presentation and Impression	This includes the organization, logical order of ideas, delivery, clarity of presentation, visual appeal of report, and confidence.	30.00%
TOTAL		100.00%



Science Short Film Festival

Eligibility

- The competition is open to all Grades 10-12 students in the Philippines, composed of a minimum of five (5) to a maximum of ten (10) members per team, including the main cast and main staff;
- All other actors and staff must also be Grades 10-12 students of the same school;
- Each senior high school can submit a maximum of five (5) short films, with each participant allowed to work on only one film, and not all submissions;
- Each entry must have one (1) adviser to oversee and observe during the pre-event competition. They must not participate in the process of filmmaking for the participating team;
- It is permissible to have the same adviser for all teams in a school;
- During the event, at least one (1) representative with an adviser as a chaperone is required to represent the team; and
- The registration fee for the competition will be paid through the provided PSYSC bank account on or before July 18, 2024. The fee is nonrefundable.

a. Registration Fees

- P 3,000.00 per Affiliated team
- P 4,000.00 per Non-affiliated team

Guidelines

1. VIDEO PRESENTATION SPECIFICATIONS

- Teams must create a short film (landscape, 1080p & 16:9 ratio) that only runs for a minimum of 5 minutes and a maximum of 10 minutes, including the rolling credits.
- The film entry must be able to provide insights into this year's STEM EXPO's theme: "Rebooting Filipino Innovation, Reinventing the Next Generation".
- Teams must provide a title and synopsis for the entry, with a maximum of 100 words for the latter.
- Teams shall also provide a short teaser running for not more than 30 seconds with the same format as the short film. Failure to comply will result in disqualification.
- The film and teaser entry must be submitted in .mp4 or .mov format by uploading.
- The language of the film is not limited to English and Filipino.
- Each entry must have English subtitles.
- Special effects, animation, and/or clips are allowed, provided they do not compromise the film's overall quality, and proper acknowledgment is given.
 - Teams are expected to properly cite and credit background music and the production process.
- Participating teams must produce original short film entries, demonstrating their knowledge and abilities while respecting intellectual property rights. Plagiarism and third-party assistance will lead to automatic disqualification, and PSYSC shall not be held responsible for any infringement committed by the team.
- Videos submitted in the STEM EXPO Science Film Competition must not have been previously entered in any video contest, similar, or otherwise, and cannot be submitted to any other video contests. Failure to comply with these will result in disqualification.
- Film entries containing inappropriate content for general viewers are automatically disqualified. This is not limited to the following:
 - Misinformation;
 - Vulgar language;
 - Violence and sexual content;
 - Discrimination; and/or
 - Promotion of illegal activities or behavior.

2. MOVIE POSTER SPECIFICATIONS

- Teams must create a movie poster and submit it in .png format (18 x 24 inches [width x length]). Late submissions and failure to follow instructions will result not be considered.
- Teams must provide at least one (1) printed movie poster with the dimensions of 18 x 24 inches (width x length) during on-event registration.

3. SUBMISSION

EVENT	LINK	DEADLINE
Registration Form	bit.ly/SciFilmFest-ARR	July 18, 2024, 11:59PM
Proof/s of Enrolment		July 18, 2024, 11:59PM
Registration Fee		July 18, 2024, 11:59PM
Proof of Payment		July 18, 2024, 11:59PM
Submission of Video, Teaser, and Movie Poster		July 18, 2024, 11:59PM

4. VIEWING

- Submitted and qualified entries will be posted on the official Facebook page of STEM EXPO 2024.

5. AWARDS

- The decision of the panel of judges is final and irrevocable.
- There will be a Best Picture, Second Best Picture, Third Best Picture, Best Score, Best Screenplay, Sponsor's Choice Award, People's Choice Award*, Best Director, Best Actress, Best Actor, and Best in Poster.

- 1. The People's Choice Award* will be awarded to the entry with the following:
 1. highest number of viewers in TikTok on the posted entry on the official TikTok page of the PSYSC, and
 2. best receipts (strictly excluding the receipts and shares on the posted entry on the official Facebook page of the STEM EXPO.
 3. This will run from August 23 to September 1, 2024. Any form of cheating will result in automatic disqualification.

c. The aforementioned awards will have the following prizes:

Award	Prize
Best Picture	Cash Prize (P8,000.00)Award PlaqueCertificate
Second Best Picture	Cash Prize (P6,000.00)Award PlaqueCertificate
Third Best Picture	Cash Prize (P4,000.00)Award PlaqueCertificate
Best Score	Award Plaque Certificate
Best Screenplay	Award Plaque Certificate
Sponsor's Choice Award	Award Plaque Certificate
People's Choice Award	Award Plaque Certificate
Best Director/Actor/Actress	Award Plaque Certificate



Science Journalism Contest

Eligibility

1. The competition is open to all Grades 10-12 students in the Philippines;
2. Schools can have a maximum of four (4) participants per category in the competition (i.e., 2 participants max per category);
3. Participants are reminded to select only one (1) category in all contests, as all categories will be held simultaneously;
4. The registration fee for the competition will be paid through the provided PSYSC bank account. The deadline for online application is July 18, 2024, 11:59 (PMT). An onsite application on September 7, 2024 from 8:00 AM to 9:30 AM will also be available. The fee is non-refundable.
5. Registration Fees
 - I. P 400.00 per Affiliated team
 - II. P 600.00 per Non-affiliated team

Guidelines

EVENT PARTICIPATION

a. There will be four (4) categories:

- I. News Writing (English)
- II. Feature Writing (English)
- III. Editorial Writing (English)
- IV. Editorial Cartooning

- d. Participants with qualified entries will each receive a Certificate of Participation.

Judging and Criteria

COMPONENT	DESCRIPTION	PERCENTAGE
Content and Relevance to the Theme	This includes the quality, depth of the film and how it unfolds the story, while assessing how closely the entry aligns to the overarching theme of this year's STEM EXPO.	40.00%
Technical and Creative Aspects	This includes visual quality, music score, sound quality, video motivation, pacing and structure, originality, and creativity.	30.00%
Characters	This includes how well the actors give life to the characters of the plot. The dialogues are natural and unique to each character.	15.00%
Overall Impression	This includes visual appeal, harmonious use of elements, style, and overall impact to the audience.	15.00%
TOTAL		100.00%

2. SCIENCE JOURNALISM SPECIFICATIONS

- a. The theme or topic for all contests will be announced on the spot during the contest proper.
- b. All participants will be assigned a participant number at the start of the contests and will be given exactly two (2) hours to finish their written pieces.
- c. Participants will enter the room without any materials. Writing materials will be provided by the organizers. Printed materials, electronic gadgets, and/or storage devices are prohibited during the contest proper. Failure to comply will result in disqualification.
- d. Each participant will be provided with a pen and a letter-size bond paper officially marked with their respective participant numbers. Additional sheets will also be provided by the organizers only. Writing the author's name, school, or any other identifiable information on the provided piece of paper is strictly prohibited. Failure to comply will result in disqualification.
- e. For editorial cartooning only, participants may provide and use their pencils, provided that black-colored ink pens are still used to finish their final outputs.
- f. Plagiarism WILL NOT be tolerated. Plagiarism includes not only the use of previous works in the competition but also any form of unauthorized copying or borrowing of ideas, texts, or other creative content. Failure to comply will result in disqualification.
- g. In the event of a member's withdrawal due to illness or valid reasons, replacements may be made by a bona fide Grades 10-12 student. Competitions held must be informed of such changes a day before the said competition.
- h. Walking are allowed to join, but requirements for eligibility must still be observed. Payment will be collected during registration.

3. SUBMISSION

EVENT	LINK	DEADLINE
Registration Form	bit.ly/SciJourn-App	online: July 18, 2024, 11:59 PM onsite: September 7, 2024, 9:30 AM
Proof/s of Enrollment		
Registration Fee		
Proof of Payment		

4. AWARDS

- a. The decision of the panel of judges is final and irrevocable.
- b. All participating team members and team advisers eligible for the competition shall receive a Certificate of Participation each.
- c. Per category there will be a Champion, First Runner-Up, and Second Runner-Up, respectively. The winners will receive the following:

Award	Prize
Champion	Cash Prize (\$1,500.00) Medal Certificate
First Runner-up	Cash Prize (\$1,000.00) Medal Certificate
Second Runner-up	Cash Prize (\$750.00) Medal Certificate

Judging and Criteria

1. News Writing, Feature Writing, and Editorial Writing

COMPONENT	DESCRIPTION	PERCENTAGE
Content	This includes the appropriate use of lead type to capture the reader's attention and the presentation of the most important details and relevant information in the news.	35.00%
Organization	This includes the organization of information, the use of a clear and focused lead, and attention to technical mechanics.	35.00%

Technical and Composition	This includes clarity of thought, creativity, unity, consistency, and coherence of the article.	20.00%
Mechanics	This includes observation of standard grammar rules and syntax, while maintaining accurate spelling, punctuation, and adhering to the appropriate news writing format.	10.00%
TOTAL		100.00%

2. Editorial Copywriting

COMPONENT	DESCRIPTION	PERCENTAGE
Viewer's Impact	This includes the ability to utilize unique and creative representations of ideas and concepts, as well as sustaining interest from viewers.	30.00%
Relevance to the Theme	This includes alignment to the theme or problem given.	20.00%
Artistic Quality	This includes artistic shading, logical sizing, dimension, proportion, and label usage.	20.00%
Clarity of the Message	This includes presenting a clear stance on the topic, arousing interest, and prompting critical thought from viewers.	15.00%
Originality	This includes originality, novelty of idea, and uniqueness of concept.	15.00%
TOTAL		100.00%

RIGHTS OF PSYSC

- 1. PSYSC reserves the right to share all submissions. Proper citation will be observed.
- 2. PSYSC shall have the right to disqualify entries which do not adhere to the guidelines and do not meet the specified.

CHANGES TO THE GUIDELINES

The STEM EXPO 2024 Competitions Head has the right to introduce new provisions and specifications or introduce new ones as deemed necessary. These modifications will take effect immediately upon notification, which may be communicated through various channels such as posting on the official Facebook Page of STEM EXPO, sending electronic emails to the participants, or by any other means chosen by the organizers. The Competitions Head may also request additional materials or information from participating teams before and/or during the event proper to facilitate a thorough evaluation.

CONCERNS AND CLARIFICATIONS

Any queries and/or clarifications regarding the guidelines must be directed to the Competitions Head of the event. Please feel free to contact Junelle Mour at 07981907839 or Rodlyn Balancer at 07244818337. You may also email us at stamespo2024@gmail.com.



CONTACT US
STEM EXPO 2024 Core Committee
Contact Details & Information

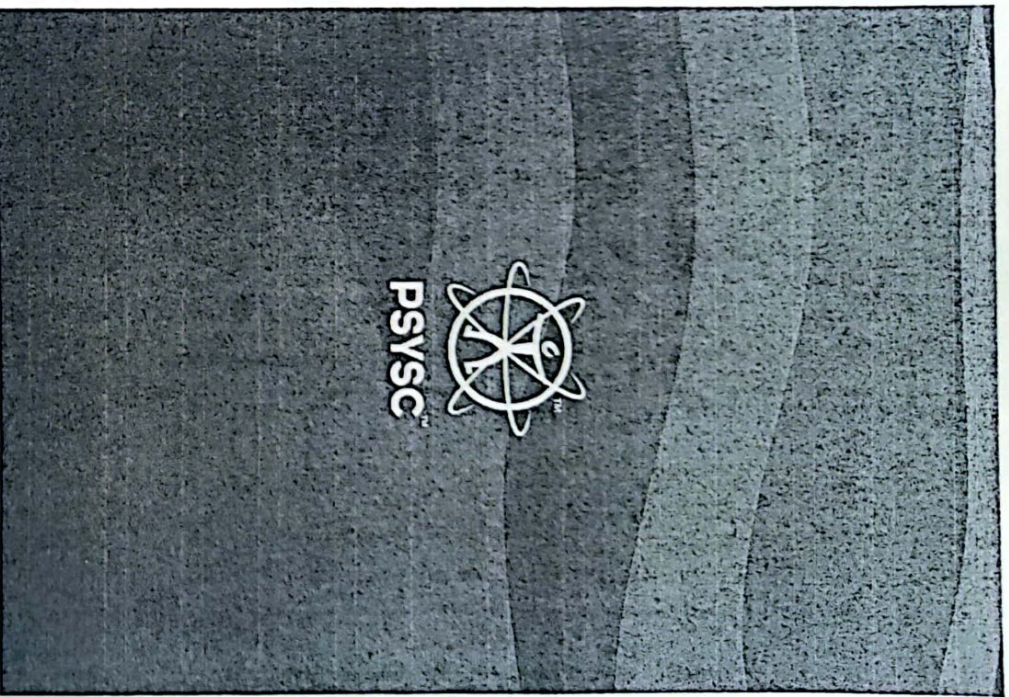


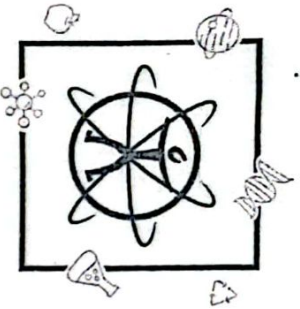
STEM EXPO 2024 CORE

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GUEST RELATIONS Jianna Mae Alexi Buccod
LOGISTICS Norlon Mark Danigoy
COMPETITIONS Aeral Baloyon
PROGRAMS Katharine Marie Flores
SECRETARIAT Kimberly Dennise Ang
SUPPLIES Jernille Siasot
MARKETING Louise Margaret Andan
Roseilyn Grace Remplis

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**Pambansang Kapisanan ng mga Kabataan Samahan ng Agham
(PHILIPPINE SOCIETY OF YOUTH SCIENCE CLUBS), Inc.**

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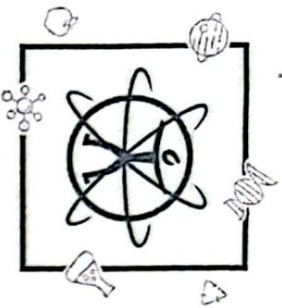
The **Philippine Society of Youth Science Clubs, Inc. (PSYSC)** is not only a prominent organization of science clubs within the Philippines, but also the largest umbrella organization of science clubs in Southeast Asia, duly recognized as the premier organization that promotes its thrust of Public Understanding of Science, Technology, and the Environment (ST&E).

Composed of volunteers from top universities in the Philippines, the organization has been conducting national and regional events for over 120,000 affiliate members from all over the country. examples of these being:

- **The National Youth Science, Technology, and Environment Science Camp (NYSTESC)**, a four (4) day camp, conducted every July, for high school science club members and their advisers. It tackles a specific field in science, technology and the environment (ST&E), aiming to provide awareness about such topic and encouraging them to learn and appreciate ST&E more outside the four corners of the classroom:
- **The National Leadership Enhancement and Development (NLEAD) Program**, is a training-seminar for selected high school science clubbers who would compose the PSYSC Regional Councils (RCs) in their respective regions throughout the country. NLEAD aims to empower the RCs and enhance their knowledge and leadership skills to enable them to implement activities that will reach our affiliates in the grassroots.
- **National Children's Science Interactive Workshop (NCSIW)**, same as NYSTESC, it is a four day-camp which focuses on a specific topic in ST&E and aims to give an alternative venue for students to learn and appreciate ST&E more. However, NCSIW is for elementary science club members and teachers and is conducted every December.
- **Search for the Most Outstanding Science Clubs (SEARCH)**, an event wherein the accomplishments and contributions made by certain science clubs to the community will be recognized. It serves as a bridge to train young minds to become the future leaders through encouraging the students to develop relevant practical projects to which their community can benefit;
- a seminar-workshop called **Beginners' Learning and Appreciation of Science and Technology (BLAST)** which introduces science clubbing to elementary and secondary schools.
- **Science, Technology, Engineering and Mathematics Expo (STEM Expo)** for senior high school students which is a two-day series of competitions and exhibits showcasing innovative ideas and groundbreaking advances in the field of STEM.

PSYSCTM





Pambansang Kapisanan ng mga Kabataan Samahan ng Agham
(PHILIPPINE SOCIETY OF YOUTH SCIENCE CLUBS), Inc.

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Quezon City, Philippines 1104

(02) 8332 8151
mail@psysc.org
www.psysc.org

The PSYSC also celebrates the National Science Club Month (NSCM) during September through the:

- **National Science Clubs Summit (SUMMIT)**, a two (2) day camp for high school students, held simultaneously in several regions in the Philippines to make the celebration of NSCM accessible to more affiliates in the different regions of the Philippines;
- **1 Teach Science Seminar (ITSS)**, a half-day activity composed of lectures, workshops and discussions that will provide new learning and teaching techniques for high school teachers in a field in ST&E. It is open to all science club advisers who will participate in SUMMIT.
- **PSYSC Science Olympiad (PSO)**, an inter-school national science quiz competition, open for both elementary and high school students. The PSO eliminations are held at different SUMMIT sites. Afterwards, the top 20 schools nationwide for each bracket will proceed to the PSO final round, which is conducted at the National Capital Region; and
- **MathSciAka** which is a Luzon-based activity composed of several engineering science challenges and interactive workshops. The competition is composed of two brackets: Bracket I and II which is for Elementary and High school students, respectively.

Science Clubbing since 1971

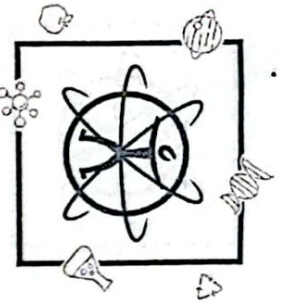
The inception of the Philippine Society of Youth Science Clubs, Inc. traces back to March 5, 1971, when 25 participants of the National Science Fair together with a Philippine Science High School student, forged a friendship circle that birthed an extraordinary initiative. This collective, then called the National Science Club of the Philippines, organized the inaugural National Youth Science Camp (CAMP) at UP Los Baños, marking the beginning of a journey and history. The organization has since grown into the PSYSC we know today, and currently, it proudly counts over a hundred thousand affiliated science clubbers all over the country.

Upholding Science Clubbing Advocacies

- *We promote leadership through programs such as PSYSC Medal of Excellence and Search for the Most Outstanding Science Club (SEARCH). Science Promotion is done through our CATALYST. PSYSC's official publication and Beginners' Learning and Appreciation of Science and Technology (BLAST).*
- *We advocate science education through our PSYSC Journal and Online Educational supplements for teachers.*

PSYSC™





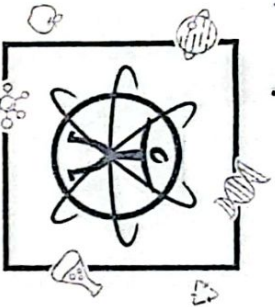
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- *And we promote public understanding of Science, Technology and Environment through our national activities such as National Youth Science, Technology, and Environment Science Camp (NYSTESC), National Children's Science Interactive Workshop (NCSIW) and National Science Club Month (NSCM) activities – National Science Clubs Summit (SUMMIT), I-Teach Science Seminar (ITSS), PSYSC Science Olympiad (PSO) and MathSciAka.*





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FISCAL YEAR 2023-2024

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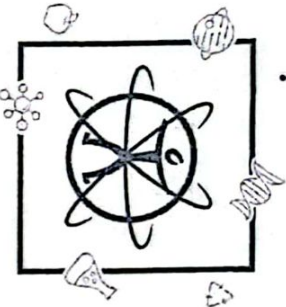
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Mr. Santil Dapul

Dr. Rizalinda De Leon

Atty. Rodolfo Quimbo

Dr. Cynthia Saloma

Dr. Renato Solidum Jr.

Mr. Kent Elmann Cadalin

Mr. Joseph Gavine Jr.

NATIONAL EXECUTIVE COUNCIL

Maude Angela G. Aujero

President

Thomas Ashler D. Lumabi

Vice President for Internal Affairs

Anne Felize P. Padillo

Vice President for External Affairs

Carissa Jade B. Domingo

Marketing Officer

John Dodi A. Cabug

Marketing Officer

Justin Ember M. Mutia

Public Information Officer

Hannah Patricia O. Cruzata

Finance Officer

Sean Michael M. Maghirang

Auditor

Bret Jarod Sean R. Ordoño

Secretary

**Pambansang Kapisanan ng mga Kabataan Samahan ng Agham
(PHILIPPINE SOCIETY OF YOUTH SCIENCE CLUBS), Inc.**

PSYSC NATIONAL OFFICE

Unit 703, West Mansions Condominium,
Zamboanga St., Brgy. Nayong Kanluran,
Quezon City, Philippines 1104

(02) 8332 8151

mail@psysc.org

www.psysc.org

NATIONAL EXECUTIVE COUNCIL

PRESIDENT: Maude Angela G. Aujero

VICE-PRESIDENT FOR INTERNAL AFFAIRS: Thomas Ashler D. Lumabi

VICE-PRESIDENT FOR EXTERNAL AFFAIRS: Anne Felize P. Padillo

MEMBERSHIP OFFICER: Carissa Jade B. Domingo

PUBLIC INFORMATION OFFICER: Justin Ember M. Mutia

MARKETING OFFICER: John Dodi A. Cabug

FINANCE OFFICER: Hannah Patricia O. Cruzata

AUDITOR: Bret Jarod Sean R. Ordoño

PSYSC



REPUBLIC OF THE PHILIPPINES
SECURITIES AND EXCHANGE COMMISSION
SEC Building, EDSA, Greenhills
City of Mandaluyong, Metro Manila

Company Reg. No. CN200906319

CERTIFICATE OF FILING
OF
AMENDED ARTICLES OF INCORPORATION

KNOW ALL PERSONS BY THESE PRESENTS:

This is to certify that the amended articles of incorporation of the

PAMBANSANG KAPISANAN NG MGA KABATAAN
SAMAHAN NG AGHAM (PHILIPPINE SOCIETY OF YOUTH
SCIENCE CLUBS), INC.
(Amending Article: III thereof)

copy annexed, adopted on May 30, 2012 by majority vote of the Board of Trustees and by the vote of at least two-thirds of the members of the corporation, and certified under oath by the Corporate Secretary and a majority of the said board was approved by the Commission on this date pursuant to the provisions of Section 16 of the Corporation Code of the Philippines, Batas Pambansa Blg. 68, approved on May 1, 1980, and copies thereof are filed with the Commission.

IN WITNESS WHEREOF, I have set my hand and caused the seal of this Commission to be affixed to this Certificate at Mandaluyong City, Metro Manila, Philippines, this 13th day of June, Twenty Twelve.


BENITO A. CATARAN
Director

Company Registration and Monitoring Department

