

The 10th ASEAN Student Science Project Competition (ASPC 2024)

2 - 7 July 2024

At

National Science Museum Thailand (NSM)

The First Circular

Organised by



The 10th ASEAN Student Science Project Competition (ASPC 2024)

EVENT OUTLINE

Science is a crucial cornerstone that forms the basis of various aspects of our lives. Understanding and appreciation for science are essential to improving our quality of life and comprehending a rapidly changing world. Making science and technology an accessible subject is crucial for a developing country; therefore, much effort should be made to foster awareness, understanding, and enjoyment of science in young people. The **National Science Museum Thailand, Ministry of Higher Education, Science, Research and Innovation**, in collaboration with the **Science Society of Thailand under the Patronage of His Majesty the King**, have launched the project on the First ASEAN Student Science Project Competition since the year 2015 to promote science awareness through science project activities and to create a network of students/teachers among ASEAN communities including over 150 participants from ASEAN countries attending the event.

From the satisfactory outcome and feedback from the participating countries, the National Science Museum Thailand (NSM) and the Science Society of Thailand (SST) are proud to announce **The 10th ASEAN Student Science Project Competition (ASPC 2024)**. The aim of the competition is to encourage students to improve the 21st century skills, develop skills in science and technology such as experimentation, communication, and innovation. Participating in the competition allows the students in ASEAN countries to practice solving problems in daily life and provide a venue for students to foster friendships among ASEAN network with each other.

OBJECTIVES

1. To motivate students in integrating research knowledge and convey it to the public.
2. To encourage students to be creative and solve problems by applying scientific processes and skills whilst building a positive attitude towards science and technology.
3. To promote the exchange of knowledge, experiences, and culture among young people who are interested in science and technology in ASEAN countries.
4. To enhance a network of young people to be ready for the ASEAN Economic Community at an international level.

DATE

2 - 7 July 2024 (6 days 5 Nights)

- Arrival date: 2 July 2024
- Event date: 3 - 6 July 2024
- Departure date: 7 July 2024

VENUE

National Science Museum, Thailand (NSM)
39 Moo 3, Klong 5, Khlong Luang, Pathum Thani 12120 Thailand

ORGANISING COMMITTEES

- National Science Museum Thailand (NSM), Ministry of Higher Education, Science, Research and Innovation (MHESI)
- The Science Society of Thailand under the Patronage of His Majesty the King (SST)

PRELIMINARY PROGRAM: 2 - 7 July 2024

This Preliminary Program is to assist all participants in planning their travel and events. The final program will be distributed on arrival at the Registration Desk. All activities will be at the National Science Museum Thailand (NSM), in Pathum Thani Province (unless stated otherwise).

JULY	2 nd (TUE)	3 rd (WED)	4 th (THU)	5 th (FRI)	6 th (SAT)	7 th (SUN)
		Registration				
Morning		Opening Ceremony ----- Ice Breaking Team Spirit	Education Program & Activity	Project Assessment *Students ONLY * Teachers will be in separate program	Cultural Visit	
Noon		Lunch				
Afternoon	Arrival	Orientation ----- Project Set-up (approx. 3hrs.)	Education Program & Activity (cont.)	Project Assessment *Students ONLY (cont.)/ Awards Announcement & Closing ceremony	Cultural Visit (Cont.)	Departure
Evening		Welcome Dinner Party	Dinner	Cultural Night by students & Farewell Dinner Party	Dinner	

Note: Due to unforeseen circumstances, some programs may be subject to change. In the event of this, all participants will be notified in advance.

PARTICIPANTS & CRITERIA

A. Number of Participants

- 1) **Participants from 10 ASEAN Countries;** Brunei Darussalam, Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Vietnam, and Thailand.
- 2) **Students: Grade 9 to 12** at the time of competition date (2 - 7 July 2024)
See item B
- 3) **Teachers** See item C
- 4) **Representative Judge (optional)** See item D
- 5) **Adult in Charge (optional)** See item E
- 6) **Observer / Others (optional)** See item F

B. Criteria of Students and Projects (ASEAN)

- 1) **School Level of Student**
At the time of competition date: Grades 9 - 12 (or equivalent level in each country)
- 2) **Each country in ASEAN:** can send a total of 6 projects as a maximum.
- 3) **Each project:** can have a maximum of 2 students.
- 4) **Each project must fit in the following categories:**
 - Category 1: Physical sciences
 - Category 2: Biological sciences
 - Category 3: Applied sciences

***Important Notice:**

- (1) After submitting the Registration Form, the participant **CANNOT** change the category. The participant **MUST** check carefully before selecting a category.
 - (2) Preferable/Optional: We recommend submitting a maximum of 2 projects per category.
- 5) **To ensure that all students will fully benefit from their participation, Students should:**
- Study a science-based subject.
 - Possess good oral / conversation proficiency in English.
 - Be willing to network with fellow students.

C. Criteria for Teachers

- Maximum **2 teachers per country**
- Possess good oral / conversation proficiency in English
- Be willing to network with fellow teachers

D. Representative Judge (optional)

Each country is allowed to have one (1) representative to be a judge in the student project competition. The representative judges will take part in the judging panel for this science project competition, the representative should meet the following qualifications:

- Be expert or personnel in science, or educational or research institution.
- Able to communicate and represent as a judge of the competition.
- Must **NOT be a teacher of their students or their projects.**
- Possess good oral proficiency in English.

Note: The Representative Judge is optional, if any country DOES NOT wish to have a Representative on the Judging Panel, then bringing the other adult (besides registered teachers) is not necessary.

E. Adult in Charge (optional)

Each country is allowed to have one (1) Adult in Charge to take care of the whole delegation from its own country. The Adult in Charge can be the same person as representative judges as long as the qualification in item D is met.

F. Others / Observers

Other extra persons (NONE of the above categories in items A to E) are considered the observers and required to pay for the registration fee.

PROJECT CRITERIA

A. Overview of the project

- Creative thinking and application
- Application of scientific method
- Knowledge, presentation and understanding
- Adequate record of evidence
- Value to science and society

B. Overview of project display presentation

- By the specified format
- Features of the presentation; appearance and creativity
- Use of appropriate language and scientific terminology
- References / Bibliography

C: Criteria of the project

- The project **has NOT participated** in ASPC
- The project **has NOT received any awards** from the following events:
 - Regeneron ISEF
 - Genius Olympiad
 - European Union Contest for Young Scientists, EUCYS
 - Beijing Youth Science Creation Competition, BYSCC
 - International Conference of Young Scientists, ICYS
 - Taiwan International Science Fair, TISF
 - Another event, which has more 10 Countries to join to the event.

D. Judging

- All students must follow the regulations and compete for the awards
- Judging standards for overseas and domestic students are the same
- The decision of the committee is final.

E. Awards

- **Award for each category**
 - First Prize : Cash, Trophy, Certificate
 - Second Prize : Cash, Trophy, Certificate
 - Third Prize : Cash, Trophy, Certificate
 - Consolation Prize : Cash, Certificate

F. Project Presentation

1. Oral Presentation Requirements

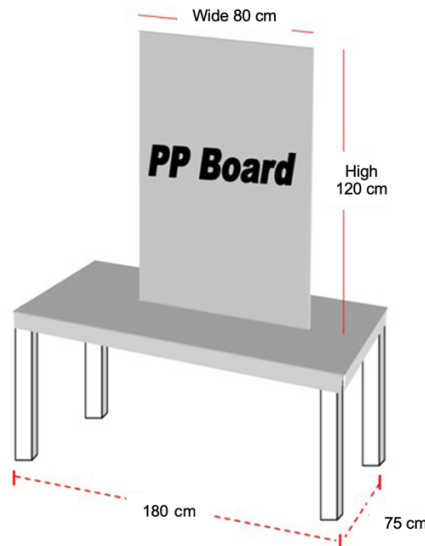
- Oral presentation time: 7 minutes
- Questions and answer: 8 minutes

2. Display Requirements and Safety Regulation

Participants must follow the regulations for displaying posters or project prototype.

2.1 Display Requirements

- A display board (80x120 cm) and a table (75x180 cm) will be provided for displaying a poster at the exhibition hall (as shown in the illustration below).



- Poster is allowed to display **on ONE SIDE of the panel ONLY.**
- If you wish to bring your panel board with a poster, it must be within the dimensions as indicated above.
- All project materials, including panels, posters, and equipment must be placed on the provided table in front of the poster board within its dimensions. Otherwise, the judges may consider reducing the score or reject or disqualify the project.

2.2 Safety Requirements / Regulations

➤ **Prohibited objects (NOT allowed to display) at the competition:**

- Soil, sand, rock, cement, waste samples, even if permanently encased in a slab of acrylic.
- Taxidermy specimens or parts.
- Preserved animals.
- Human or animal food in the demonstration of the project.
- Microbes and living things/organisms.
- Body fluid or parts of human/animal such as blood or urine.
- Sharp items such as syringes, needles, and knives.
- Flames or highly flammable materials.
- All hazardous chemicals and substances or devices such as poisons, drugs, firearms, weapons, bullets, reloading devices, explosives, radioactive isotopes, carcinogens, high-power lasers, and open-cell or wet-cell batteries.
- Items that may have contained or been in contact with hazardous chemicals (Exception: Item may be permitted if professionally cleaned and document for such cleaning is available).
- Materials that are patented, acknowledgements must be shown (including pending patents) for CDs, business cards, flash drives, brochures, booklets, and printed materials.
- Internet or email connections as part of displaying or experimenting the project.
- Any other display that is considered by the organiser as harmful objects.

If you are not sure about any aspect of the display, panel, props, or project, please contact the ASPC organising committee before 14 June 2024.

➤ **Displaying Photographs and Audio-Visuals**

- Photograph, visual image, audio-visual presentation is allowed.
 - Must not be offensive or inappropriate (this includes images of animals and humans)
 - References (credit line) must be shown for photographs/images/any other aspects of presentation that are taken from other people's work, including the work from the internet, magazines, newspapers, journals, photographs, images, presentations which are not made by the project owner.

➤ **Electronic Equipment**

- The organiser will provide a power source with 220 V, AC, single phase and 60 cycles. No multi-phase.
- Electrical devices must be protectively enclosed, and non-combustible.
- Electrical wire, switches and metal parts must have insulation and safety fuses.
- The power supply must be off when not in use and put a clear label for warning.

➤ **Other Regulations**

- No changes or modifications to the projects after the end of the set-up date.
- The organiser will give each project a number upon registration on the first day.
- If the project produces sound, lights, or odours, it must be under the control of the organiser, except during the judging of the project.

EXPENSES / SUBSIDY PROGRAM

A. The ASPC Organiser will provide and arrange for:

(These arrangements are provided for the registered participant who is a Student / Teacher / Judge / Adult in Charge and Observer.)

- 5 (five) nights of accommodation during the event.
- Meals (breakfast, lunch, dinner) during the event.
- All activities and programs during the event.
- Domestic transportation (to / from airport, venue and activities) during the event.
- Study visit.

B. PARTICIPANTS ARE RESPONSIBLE FOR:

Each participant must arrange

- International round-trip air tickets between the home country and Bangkok, Thailand.
- Medical and travel insurance covering the event period.
- Personal expenses.
- Passport and VISA fee.
- All other expenses not detailed in item A

C. ACCOMMODATION

- Dormitory at the National Science Museum Thailand (NSM)
- All participants will be arranged to share room with the same gender.

D. REGISTRATION FEE

- Each of the participants pays the registration fee of **3,500 THB**

Note: The registration fee excludes the Representative Judge.

IMPORTANT DATE & INFORMATION

A. The “REPLY SLIP” (If interested in Participating the ASPC Event, please send this form)

- See the Appendix: Attachment
- Submission By **29 February 2024**
- By Sending E-mail to:

to: aspc2Thailand@gmail.com

cc: patcharaporn@nsm.or.th and pingpayao.k@nsm.or.th

B. The “REGISTRATION FORM and ABSTRACT FORM”

- Students: Attachment # 1
- Teachers: Attachment # 2
- Representative Judge/ Adult in Charge (optional): Attachment # 3
- Observer: Attachment # 4
- Submission By **27 May 2024**
- By Sending E-mail to:

to: aspc2Thailand@gmail.com

cc: patcharaporn@nsm.or.th and pingpayao.k@nsm.or.th

C. FLIGHT DETAILS

- After receiving the Registration form, the ASPC coordinator will send you the confirmation by e-mail. Please send back your flight information by **14 June 2024**.

EVENT COORDINATORS

Office of Outreach and Community Engagement

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