



APPENDIX: INFORMATION SHEET

16th International Science Youth Forum @ Singapore 2024

1. Objectives

ISYF hopes to benefit not only students, but also Science educators. It is a rare and valuable platform for eminent scientists to interact and share ideas with young budding science and mathematics talents. The following are its key objectives:

- a. Inspire Passion for Science Research amongst Youth. *ISYF aims to provide high-ability students with ample opportunities to share and discuss their interest in science and science research. They will be exposed to many fields of science which will broaden their outlook and understanding of the scientific world. Eminent scientists will inspire them through stories of their own life experiences and scientific discoveries. These interactions are helpful for the youths especially when they are considering pursuing science as a meaningful and fulfilling endeavour.*
- b. Establish Co-operation and Friendship amongst Young Science Talents. *Students will have many opportunities to interact in different cross-cultural groups and form strong bonds with each other throughout the Forum. Activities are designed to promote mutual cooperation, understanding and appreciation of each other's diverse culture yet sharing a common passion in science and research.*
- c. Build Capacities of Science Educators. *Through professional sharing and discussions among science educators, ISYF helps build the competencies of teachers who are navigating an evolving education landscape. It will also serve as a valuable opportunity for schools to establish and develop close ties with one another and to explore the possibility of future collaborations.*

2. Selection Criteria for the Two Students

Given the intellectual rigour of the programme, where students will interact with scientists through Masterclasses and share their own research experience, the Forum targets top Science students from schools all over the world. To ensure that delegates benefit fully from the experience, the **two** Science students representing your school should

- a. Be between 16 and 17 years of age in 2024;
- b. Be within the top tier of their respective Science cohorts;
- c. Have substantial experience in science research or competitions;
- d. Possess good oral proficiency in English;
- e. Possess enthusiasm and strong interest in forging ties with fellow students from all over the world;



3. Selection Criteria for the Educator

In addition to the core activities of the Forum, the educator will have opportunities to share, interact with and learn from fellow educators. He/she should be an educator in Science in your school, and should possess the ability to cascade the learning points to other educators in your school. Educators are expected to participate in all the activities in the Educator's Programme for the whole duration of ISYF and these will include many students' activities too

To ensure that the educator benefits fully from the experience, the educator should:

- a. Possess good oral proficiency in English;
- b. Possess enthusiasm and strong interest in forging ties with fellow educators;

4. Time Frame

- a. The event is scheduled to be held from **8 to 12 January 2024**.
- b. Check-in time at the Hwa Chong Institution Boarding School is on **Sunday, 7 January 2024 from 0600 h to 1600 h**. The students and accompanying educator should arrive on **Sunday, 7 January 2024 at Singapore Changi Airport between 0100 h and 1500 h**. They will be received by student facilitators at the airport and transferred to the Boarding School at which they reside.
- c. The students and accompanying teacher should arrange flights back home **between Friday, 12 January 2000 h and Saturday, 13 January 1900 h**. They will be transported from the Boarding School to Singapore Changi Airport. The Check-out time at the Boarding School is by **Saturday, 13 January 2024, 0800 h**.
- d. The costs of additional nights of stay are to be borne by the students/educator. Payment for additional nights of stay is to be made in cash in Singapore dollars.
- e. There will be a briefing for students and educators at the Boarding School on **Sunday, 7 January 2024, 1900 h**. The programme for educators will begin on **Monday, 8 January 2024**.

5. Cost

- a. All international participants (students and educator) have to pay for their own passage to and from Singapore and other personal expenses. We encourage all international participants to purchase travel insurance prior to the trip.
- b. Expenses related to the Forum will be borne by our sponsors. This should cover the costs of accommodation, meals, transport and Forum materials.

6. Programme Highlights for Students

Pre-Event:

- **Poster Exhibition**. Every school is encouraged to submit one poster on a completed science research project. All posters will be displayed at the Poster Exhibition Session during the Forum.



During the Event:

- As this is a residential forum, all students will board at the Hwa Chong Institution Boarding School throughout the Forum.
- **Interaction with Nobel Laureates and/or Eminent Scientists**. Students will participate in the Masterclasses and Focused Dialogues and have opportunities to interact closely with Nobel Laureates and/or eminent scientists.
- **Poster Exhibition**. Students will showcase their research and view the research done by their peers at the Poster Exhibition Session.
- **Science Quest**. Student participants will work in groups to solve a problem or construct a proto-type using their knowledge of maths and science and their hands-on skills. The projects will be presented to and judged by scientists in a friendly competition.
- **Social Programme**. Students will participate in visits to places of interest in Singapore.

Post-Event:

- Students will share their learning and experiences with schoolmates upon their return.
- Students will be encouraged to maintain ties with other participants after the Forum.

7. Programme Highlights for Educators

During the Event:

- **Interaction with Nobel Laureates and/or Eminent Scientists**. Educators will be engaged in Masterclasses and Focused Dialogues with Nobel Laureates and/or eminent scientists on pedagogical and teaching ideas.
- **Sharing on Science Education**. Educators can present their professional findings at a forum for discussion and sharing among Science teachers. This platform will allow teachers to interact and network with peers from different countries.
- Educators can draft plans/ideas to be implemented in their schools, based on their learning points at the Forum.
- **Social Programme**. Educators will participate in visits to places of interest in Singapore. Local educators will be approached to assist as guides to the overseas educators during these visits.

Post-Event:

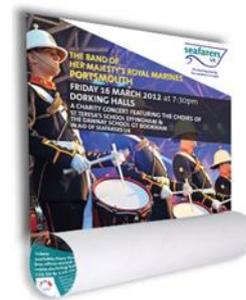
- Educators will share their learning points and insights with others.
- Educators are encouraged to implement their plans/ideas in their schools.

8. Research Poster Exhibition

We would like to invite your students to put up a poster of their science or mathematics project at the Poster Exhibition after the ISYF Keynote Lecture on **10 Jan 2024 (Wednesday)**. It can be a project which was presented at another event or competition; we do not require students to undertake a new project for this event. Please note the following:



- The poster should be printed on a single sheet of A0-sized paper (841mm by 1189mm or 33.1 by 46.8 in) with matt finishing. It should be in portrait setup, with your school name, country and project title indicated at the top.
- Please bring the hardcopy poster, as well as a softcopy for backup. The hardcopy should be in soft back (please see right).



Reply Form

Please complete the reply form by **29 September 2023** to indicate whether your school is participating in this event. Kindly use this link: <https://form.gov.sg/64d1fae3e1f97e0012233fd0>

Information Form

Please complete the information form by **16 October 2023**. This form captures the information of your students and teacher. Kindly use this link: <https://form.gov.sg/64cb644c020afb00116a1d94>