



INFORMATION PACK

EARTH

EXPLORER COMPETITION



COMPETITION DAY
3rd FEBRUARY 2024

 MALAYSIAN EARTH SCIENCE OLYMPIAD  WWW.MYESO.COM.MY

Introduction

Earth Explorer Competition is an annual, online national school-level competition that introduces general knowledge about the study of earth and neighboring planets in space.

Primary and secondary school students (standard 4 until form 5) from all over Malaysia are invited to join this competition. The aim of this competition is to instill interest in Earth Science and Geography, thus to give exposure to students in these fields.

Stages

Malaysian Earth Science Olympiad (MyESO)

The top students in Earth Explorer Competition will be selected for the next stage, the Malaysian Earth Science Olympiad (MyESO) and Malaysian Geography Olympiad (MyGEO)

National Training Camp

The best students from MyESO and MyGEO will be invited to join the National Training Camps. Students will then be further trained and tested during the online and offline training camps and homework assignments

International Earth Science Olympiad (IESO) and International Geography Olympiad (IGEO)

Top best students at the national training camp will be chosen to represent Malaysia in the International Earth Science Olympiad (IESO) and International Geography Olympiad (IGEO) 2024

Who Can Participate ?

Primary Category

-  **Public School**
Standard 4 up to Standard 6
-  **International School**
Year 4 up to Year 6

Secondary Category

-  **Public School**
Form 1 up to Form 5
-  **International School**
Year 7 up to Year 11

Competition Format



Method
Online



Registration
Each student need a unique email address



Answering Time
1 hour and 30 minutes



Necessity
Stable internet connection & scientific calculator



Questions
30 objective questions



Languages
English & Bahasa Melayu

Syllabus

Primary

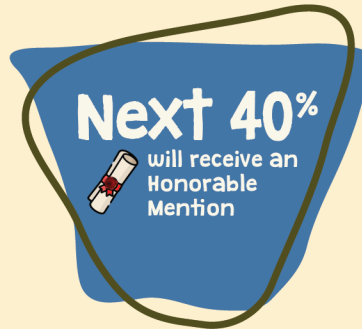
- Earth
- Solar system
- Climate & weather
- Preservation & Conservation
- Mixture
- Technology

Secondary

- General geography
- Physical geography
- Human geography
- Geography of the area
- Environmental management & global issues
- Field works

Benefits

Each students will receive a certificate according to your achievements :



Top 10% scorers from Earth Explorer Competition will be invited to participate in MyESO and MyGEO. Then, best students will be chosen to be trained to prepare for the IESO and IGEO. The students will be trained by the university lecturers and professionals from the related industries such as geology, geophysics, oceanography, astronomy, meteorology and geography.

The students will be evaluated from their performance in the assignments, test, teamwork and communication during the training sessions. Top best students will be chosen to undergo further training in the theoretical and practical part of earth science and geography fields until the commencement of IESO and IGEO 2024.

It is to be reminded that the training will focus on the higher level of each field in earth science and geography, in both theoretical and practical aspects. The students will attend several training camps as planned by the coaching team.

Achievement of the Malaysian Team in the International Earth Science Olympiad (IESO) 2023



In a challenging virtual setting with 25 participating countries, the Malaysian representatives, led by Ms. Nur Nadwa Syahirah Ai Zamruddin and Mr. Muhammad Hadhri, showcased their excellence in IESO 2023. Special recognition goes to Yuvan Saktivel, Evan Lim Hong Yan, and Lucas Cheah Hoe Yeen for securing silver medals, and Hee Wen Kai for earning a bronze medal in the Data Mining Test (DMT). Additionally, Lucas Cheah Hoe Yeen's bronze award for the Earth Systems Project (ESP) adds another layer of accomplishment to the team.

This success is a testament to the hard work, dedication, and expertise of the students and their trainers. Congratulations to all members of the Malaysian team for making their mark in the IESO 2023!



Achievement of the Malaysian Team in the International Geography Olympiad (IGEO) 2023



IGEO is an annual competition for the best geography students aged 16 to 19 from around the world and has been held every year since 1996. More than 180 outstanding students from around the world will meet during IGEO to test their knowledge and skills in the field of Geography.

This year, IGEO was held in Bandung, Indonesia, from 8th – 14th August 2023, and was inaugurated by the Minister of Education, Culture, Research, and Technology of Indonesia, Nadiem Anwar Makarim, at Gedung Merdeka, Bandung. With the theme of "Creative City for Inclusive Urban Community," IGEO 2023 brought together a total of 177 high school students from 46 countries worldwide, including Malaysia.

The Malaysian team sent four representatives: Hee Wen Kai, Yee Sue Wei, Siti Jalilah Binti Malek Rizal, and Anna Wong Shi Na. Out of the 177 participants, 90 won medals, with 15 participants earning gold medals, 30 participants winning silver medals, and 45 participants receiving bronze medals. Malaysia's representative, Hee Wen Kai, won a silver medal and secured the 33rd position overall.



Sample Questions

1. What are the major causes of a tsunami?

Apakah sebab utama berlakunya tsunami?



Tsunami in Japan / Tsunami yang berlaku di Jepun
Source / Sumber : www.newscientist.com

- A. Underwater earthquakes / *Gempa bumi bawah laut*
- B. Underwater landslides / *Tanah runtuh bawah laut*
- C. Volcanic Eruptions / *Letusan gunung berapi*
- D. All of the above are correct / *Semua di atas adalah betul*

Answer : D

2. Which ocean is the deepest?

Lautan manakah yang paling dalam?

- A. Arctic / *Artik*
- B. Atlantic / *Atlantik*
- C. Indian / *Hindi*
- D. Pacific / *Pasifik*

Answer : D

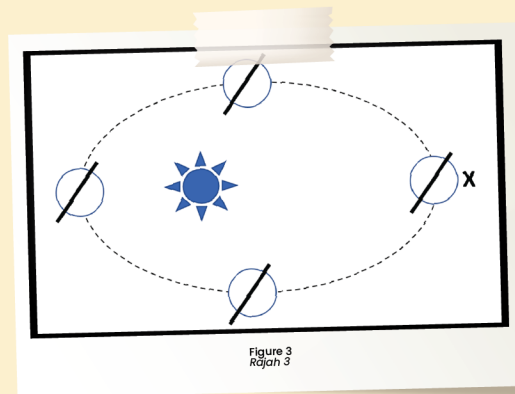
3. What chemical is most prevalent in any given amount of seawater?

Apakah bahan kimia yang paling lazim ditemui dalam apa jua jumlah air laut?

- A. Sodium / *Natrium*
- B. Sulphate / *Sulfat*
- C. Calcium / *Kalsium*
- D. Chlorine / *Klorin*

Answer : D

Sample Questions



4. Based on Figure 3, what season is it in the Northern Hemisphere when the Earth is at position X?

Berdasarkan rajah 3, musim apakah yang dialami di Hemisfera Utara jika Bumi berada di kedudukan X?

- A. Summer / Musim panas
- B. Winter / Musim sejuk
- C. Autumn / Musim luruh
- D. Spring / Musim bunga

Answer : B

5. Figure (a) shows an image of the moon taken from PERMATApintar Observatory. Based on the positions marked in Figure (b), which positions most probably is correct for the moon when the image was taken?

Rajah (a) menunjukkan imej bulan yang diambil dari Balai Cerap PERMATApintar. Berdasarkan kedudukan yang ditandakan dalam Rajah (b), kedudukan manakah yang paling hampir dengan imej bulan yang telah diambil?



Figure / Rajah (a)

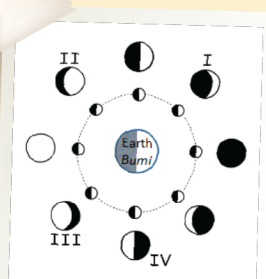


Figure / Rajah (b)

- A. I
- B. II
- C. III
- D. IV

Answer : C

Registration Fee

Join under a School

RM 40
per student

Join as Individual

RM 60
per student

Important Dates

Registration
Open

14th
NOV
2023

Registration
Close

29th
Jan
2024

Competition
Day

3rd
Feb
2024

Result
Announcement

14th
Feb
2024

How to Register ?

Registration can be made at
www.contesthub.my

Contact us

EARTH EXPLORER COMPETITION SECRETARIAT

100-1, Jalan 2/23A, Off Jalan Genting Klang, Taman Danau Kota, 53300
Setapak, Kuala Lumpur.

☎ 018 392 0204 ✉ myeso.info@gmail.com 🌐 www.myeso.com.my