



INFORMATION PACK

# GALAXY

EXPLORER COMPETITION



COMPETITION DAY

**21<sup>ST</sup> DECEMBER 2024**

 MALAYSIAN ASTRONOMY OLYMPIAD

 [HTTPS://MYAO.MY](https://myao.my)





The Galaxy Explorer Competition is an annual event in Malaysia designed for primary and secondary school students from Standard 4 to Form 5 and Pre-University. This vibrant competition invites thousands of young learners to engage in a diverse range of challenges related to space science and astronomy.

## OBJECTIVES



### ENHANCE KNOWLEDGE

Expand students' understanding of astronomy and space science, including topics such as the solar system, planets, stars, and galaxies



### FOSTER CURIOSITY

Spark scientific curiosity and deepen interest in the universe through challenging questions and interactive activities



### ENCOURAGE EXPLORATION

Inspire further study and exploration in the field of space science, providing a fun and educational experience for students

## WHO SHOULD PARTICIPATE?

### PRIMARY STUDENTS

#### PUBLIC SCHOOL

Standard 4 up to Standard 6

#### INTERNATIONAL SCHOOL

Year 4 up to Year 6

### SECONDARY STUDENTS

#### PUBLIC SCHOOL

Form 1 up to Form 5 and Pre-University

#### INTERNATIONAL SCHOOL

Year 7 up to Year 12 and Pre-University

## BENEFITS FOR STUDENTS



### 1. MALAYSIAN ASTRONOMY OLYMPIAD (MYAO)

- The top 10% from secondary category (14 – 18 years old) based on current year of International Astronomy Olympiad (IAO)
- Paper-based exam



### 2. NATIONAL SELECTION CAMP

- The top 15 students from MyAO
- Online training
- Final Selection Exam



### 3. NATIONAL TRAINING CAMP

- The best 4 students from Selection Camp
- Physical training



### 4. INTERNATIONAL ASTRONOMY OLYMPIAD (IAO)

- The best 4 students will participated in IAO

## COMPETITION FORMAT

**METHOD**  
Online

**ANSWERING TIME**  
1 Hour  
15 Minutes

**NECESSITY**

- Stable internet connection
- Scientific calculator
- Universal constants list will be provided

**QUESTIONS**  
30 objective questions

**LANGUAGE**

- English
- Bahasa Melayu





# ACHIEVEMENT OF THE MALAYSIAN TEAM IN THE INTERNATIONAL ASTRONOMY OLYMPIAD (IAO) 2023

IAO 2023 was hosted by the Beijing Planetarium from November 6<sup>th</sup> to 14<sup>th</sup>, 2023. The Olympiad was conducted in person and involved participants from nine countries. The Malaysian delegation consisted of three Alpha students, two Beta students, and one Gamma student, and was led by the professional and experienced Team Leader and Jury Member, Mr. Mohammad Afiq Dzuhan bin Mohd Azhar. Our national team was trained by Mr. Daim and Dr. Chong Hon Yew, who have experience with IAO 2019, IRAO 2021 and IRAO 2022.

Team Malaysia managed to bring home four Bronze Medals, awarded to Ng Kin Him, Liew Ze Wei, Lucas Cheah Hoe Yeen, and Yahaya Basiron. Ng Kin Him was also honored with the Best Drawing Award. Congratulations to all members of the team! We are so proud of them!

Unfortunately, in 2024, Malaysia was unable to send our talented representatives to Bangladesh due to a severe crisis. The country was grappling with this situation, and for safety reasons, it was impossible for our team to participate in the event.



## SYLLABUS

### PRIMARY

- EARTH
- LIGHT AND DARK
- TECHNOLOGY
- SOLAR SYSTEM
- PROPERTIES OF LIGHT
- SOUND
- MOON AND CONSTELLATION
- SPEED
- ECLIPSE
- GALAXY

### SECONDARY

- FORCE AND MOTION
- STARS AND GALAXIES
- SOLAR SYSTEM
- METEOROID, ASTEROID AND COMET
- SPACE WEATHER
- NUCLEAR ENERGY
- SPACE EXPLORATION
- SPACE TECHNOLOGY

## COMPETITION PROCEDURE

- 1 Registration should be done by the person-in-charge at [contesthub.my/register](https://contesthub.my/register)
- 2 Fill in the required information, provide each student's unique email address
- 3 Complete the payment
- 4 The competition manual, username and password for participants will be provided in the Contesthub a few days before the competition day
- 5 During the competition, the person-in-charge must conduct the competition at the suitable place and invigilated by the person-in-charge itself
- 6 Person-in-charge are responsible to enforce the standard regulations of the competition
- 7 The results will be announced in January 2025





## AWARDS & CERTIFICATE

Each participant will receive a certificate of participation. Awards will be given to the top scorers, according to the percentage as shown below. The awards are symbolic, not an actual medal.



WILL RECEIVE A  
GOLD, SILVER OR BRONZE  
AWARDS CERTIFICATES



WILL RECEIVE AN  
HONORABLE / MENTION  
CERTIFICATES



WILL RECEIVE A  
CERTIFICATE OF PARTICIPATION

## IMPORTANT DATES

REGISTRATION  
OPEN

14<sup>TH</sup>  
OCT  
2024

REGISTRATION  
CLOSE

12<sup>TH</sup>  
DEC  
2024

COMPETITION  
DAY

21<sup>ST</sup>  
DEC  
2024

RESULT  
ANNOUNCEMENT

JAN  
2025

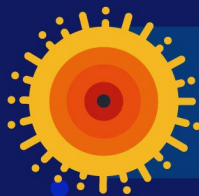
## REGISTRATION FEE

JOIN UNDER A SCHOOL

RM  
**40**  
PER STUDENT

JOIN AS AN INDIVIDUAL

RM  
**60**  
PER STUDENT



Registration can be made at

**[HTTPS://CONTESTHUB3.MY/REGISTER](https://contesthub3.my/register)**

## CONTACT US

**MALAYSIAN ASTRONOMY OLYMPIAD (MYAO)**

c/o ARDENT EDUCATIONAL CONSULTANTS SDN BHD

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🌐 <https://myao.my>

🌐 [explorercompetitionmy](https://explorercompetitionmy)

📘 Malaysian Astronomy Olympiad