



香港資優教育學苑
The Hong Kong Academy for Gifted Education

香港特別行政區政府教育局資助
Subvented by the Education Bureau, The Government of the HKSAR

E1AST005C

(Token-required)

Astronomy Course (Level I): Analysing the Universe

Mr Patrick TSENG

Panel Head of “Astronomy, Science and Technology”, Baptist (STW) Lui Ming Choi Primary School

Mr Canon LAU*

Astrophotographer, Former Chairperson of Hong Kong Astronomy Society

* Field Observation Sessions

Application Deadline
26 Feb 2024 12:00 noon

Result Release
1 Mar 2024

Intended Learning Outcomes

Upon completion of the programme, participants should be able to:

1. grasp the general categories of the celestial objects and their relative sizes and distance from the Earth;
2. utilize apps and websites to investigate and understand the multiple facets of eclipses;
3. explain the concept of black holes and the merging of blackholes (gravitational waves);
4. use a telescope to observe celestial objects and identify major constellations in the night sky.

◆ Introduction

This is a trip to understand the universe that we live in with the help of using planetarium simulation, telescopic observation, AR technology, hands-on models and even real celestial objects to make the learning and understanding of the celestial objects more tangible and realistic.

Student members will be able to learn about the size of the universe, up-to-scale model of the solar system, an in-depth understanding of eclipses, an introduction of blackhole and a taste of real stargazing (subject to weather condition for adjustment).

This programme is under the collaboration of HKAGE and Baptist (STW) Lui Ming Choi Primary School.

◆ Schedule

Session	Date	Time	Venue
1	5 Apr (Fri)	2:00 p.m. – 5:00 p.m.	Baptist (STW) Lui Ming Choi Primary School (MAP) (Classroom to be confirmed)
2	6 Apr (Sat)	2:00 p.m. – 5:00 p.m.	
3	12 Apr (Fri)	6:00 p.m. – 9:00 p.m.	
4	19 Apr (Fri)	6:00 p.m. – 9:00 p.m.	

◆ Target Participants

- P4 – P6 HKAGE student members in 2023/24 school year.
- Class size: 30
- Student members would be selected randomly by the computer system. The decision of HKAGE on the result of the selection should be final.

◆ Pre-requisite

No special prerequisites are needed

◆ Medium of Instruction

Cantonese with Chinese/English handouts

◆ Certificate

E-Certificate will be awarded to participants who have:

- attended **at least 3 sessions**; AND
- completed all the assignments with satisfactory performance