



A4ENV004C

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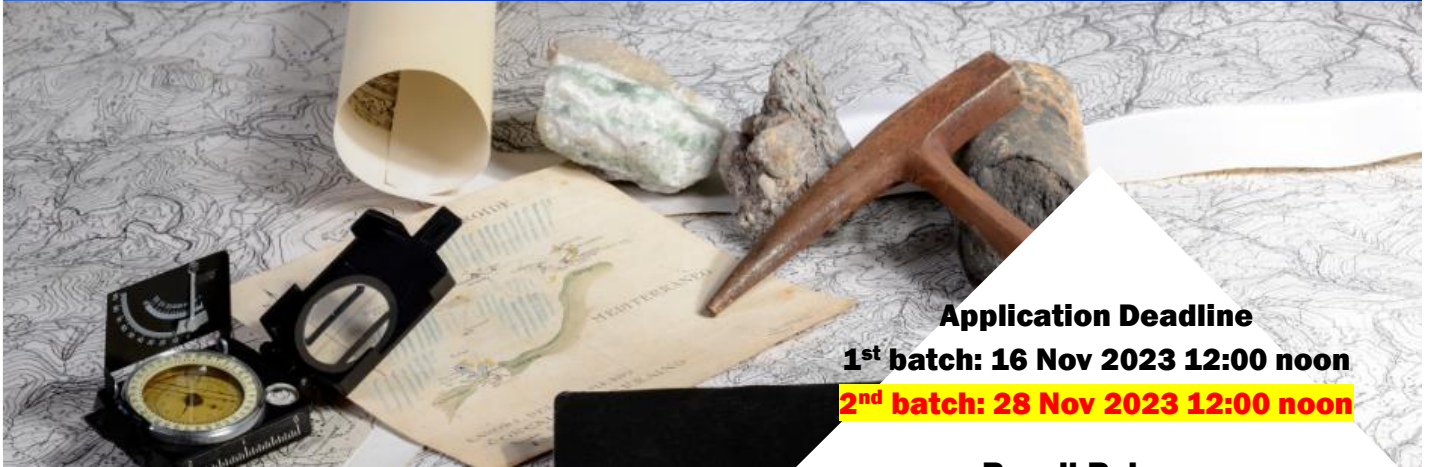
## Environmental Science Course (Level IV)

# Earth Science and its links with our lives (Phase I)

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other instructors of The Geological Society of Hong Kong



### Application Deadline

**1<sup>st</sup> batch: 16 Nov 2023 12:00 noon**

**2<sup>nd</sup> batch: 28 Nov 2023 12:00 noon**

### Result Release

**1<sup>st</sup> batch: 17 Nov 2023**

**2<sup>nd</sup> batch: 29 Nov 2023**

## Intended Learning Outcomes

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

1. identify the characteristics and distribution of common rock types and landforms in Hong Kong;
2. illustrate the impacts and importance of geological processes that shape our planet on a larger scale;
3. estimate time scale of Earth using fossils and other geological records;
4. develop a sense of reverence and humility for the significance of the geosphere, and be motivated to protect and conserve it with the same fervor as they would the biosphere, the atmosphere, or any other components of Earth's systems;
5. utilise earth science knowledge, data collection and field investigation skills to practice field geologic investigation.

## ◆ Introduction

This programme consists of three phases. Phase 1 features 8 sessions, and aims to quickly establish students' understanding of the fundamental principles of Earth Science. This phase will include 5 lectures that cover the basic knowledge of Earth Science, including rocks and minerals, geological process, fossils and geological history. 1 field trip and 1 pre-trip workshop will provide students with on-site, hands-on experience and immersion in the principles of Geology. Group discussions and projects will also be incorporated to allow students to apply and share what they have learnt through interaction with their peers.

Phase II and Phase III are tentatively scheduled as below:

Phase II: Saturdays from 17 Feb to 13 Apr 2024

Phase III: Saturdays from 20 Apr to 25 May 2024

For details, please refer to next page.

**Environmental Talk (Level I): Introduction to Earth Science (A2ENV001T)**, an introductory talk related to this programme, is to be held on 28 Oct. More information [Click here](#).

## ◆ Schedule (Phase I)

Session	Date	Time	Venue
1	2 Dec	2:00 p.m. – 5:00 p.m.	Room 403, The Hong Kong Academy for Gifted Education
2	9 Dec	2:00 p.m. – 5:00 p.m.	HKAGE Bamboos Education School for Talents
3	23 Dec	2:00 p.m. – 5:00 p.m.	Room 403, The Hong Kong Academy for Gifted Education
4	6 Jan	2:00 p.m. – 5:00 p.m.	HKAGE Classroom 126, HKPC Building, 78 Tat Chee Avenue, Kowloon, Hong Kong ( <a href="#">Map</a> )
5	13 Jan	2:00 p.m. – 5:00 p.m.	Room 105, The Hong Kong Academy for Gifted Education
6	20 Jan	2:00 p.m. – 5:00 p.m.	Room 105, The Hong Kong Academy for Gifted Education
7	27 Jan	9:00 a.m. – 6:00 p.m.	Field Study ( <b>Gather at 8:00 a.m. at HKAGE</b> )*
8	3 Feb	2:00 p.m. – 5:00 p.m.	Room 105, The Hong Kong Academy for Gifted Education

\* Gather at HKAGE and depart by tour bus; dismiss at the nearest Bus/MTR station to the activity location.

## ◆ Target Participants

- S1 to S6 HKAGE student members
- Class size: 40
- Student members would be selected randomly by the computer system. The decision of HKAGE on the result of the selection should be final.

## ◆ Medium of Instruction

Cantonese with English Handouts

## ◆ Certificate

E-Certificate will be awarded to participants who have:

- attended at least 6 sessions; and
- completed all the assignments with satisfactory performance

## ◆ Phase II & III Schedule

Phase 2 aims to demonstrate the practical application of Earth Science knowledge in advancing our society and civilization, and to explore the dynamic relationship between humankind and the surrounding geo-environments, and how they mutually influence and adapt to each other. Phase 3 will divide students into small groups, and allow them to conduct in-depth project studies on their interested topics that are covered in Phase 1 and Phase 2, with the assistance and guidance of the course instructors.

Students with satisfactory performance in phase I & II would be selected to advance to phase II & III. The tentative schedule of phase II & III are as below. Please reserve your time:

### Phase II Schedule (Tentative) Class Size: 24 students

Session	Date	Time	Venue
1	17 Feb	2:00 p.m. – 5:00 p.m.	Room 206, HKAGE (Tentative)
2	24 Feb	2:00 p.m. – 5:00 p.m.	Field Study (Gather at 1:00 p.m. at HKAGE)*
3	2 Mar	2:00 p.m. – 5:00 p.m.	Room 206, HKAGE (Tentative)
4	9 Mar	2:00 p.m. – 5:00 p.m.	Field Study (Gather at 1:00 p.m. at HKAGE)*
5	16 Mar	2:00 p.m. – 5:00 p.m.	Room 206, HKAGE (Tentative)
6	23 Mar	2:00 p.m. – 5:00 p.m.	Field Study (Gather at 1:00 p.m. at HKAGE)*
7	13 Apr	2:00 p.m. – 5:00 p.m.	Room 206, HKAGE (Tentative)

\* Gather at HKAGE and depart by tour bus; dismiss at the nearest Bus/MTR station to the activity location.

### Phase III Schedule (Tentative) Class Size: 16 students

Session	Date	Time	Venue
1	20 Apr	2:00 p.m. – 5:00 p.m.	Room 206, HKAGE (Tentative)
2	27 Apr	9:00 a.m. – 6:00 p.m.	Field Study (Gather at 8:00 a.m. at HKAGE)*
3	11 May	2:00 p.m. – 5:00 p.m.	Room 203, HKAGE (Tentative)
4	18 May	2:00 p.m. – 5:00 p.m.	Room 204, HKAGE (Tentative)
5	25 May	2:00 p.m. – 5:00 p.m.	Room 206, HKAGE (Tentative)

\* Gather at HKAGE and depart by tour bus; dismiss at the nearest Bus/MTR station to the activity location.