



S1GAP003W

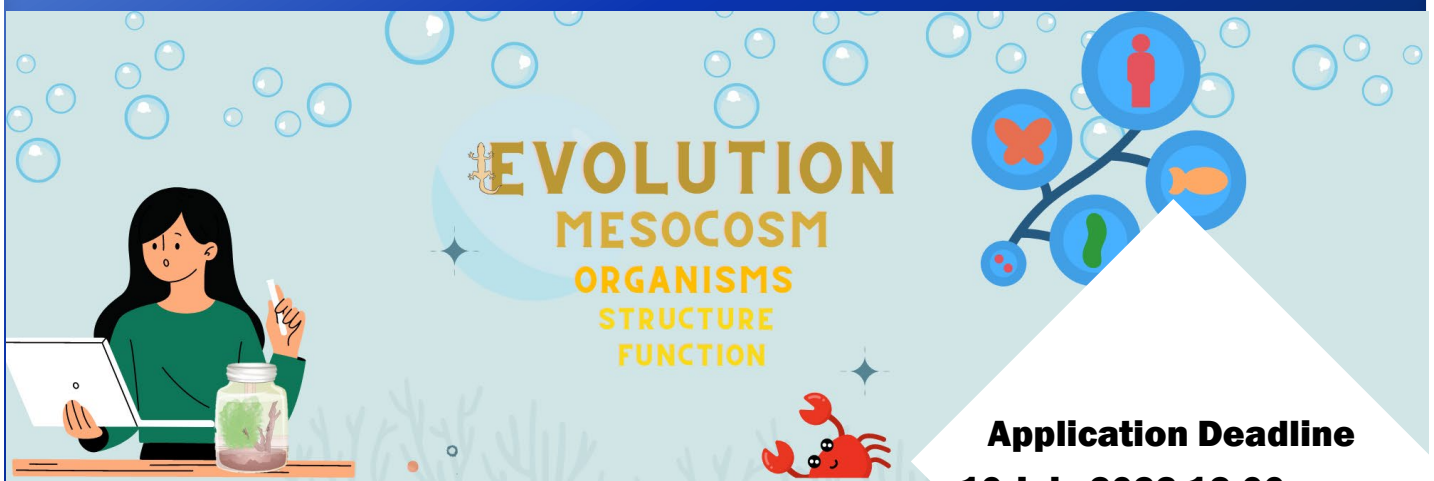
(Token- required)

## Student-initiated Event (Level I)

# Evolution in a Tiny Ecosystem Workshop

Host: Yau Yeuk Laam

Apprentice, The 4<sup>th</sup> Cohort of Hong Kong Gifted Apprentice Programme



**Application Deadline**  
**10 July 2023 12:00 noon**

## Intended Learning Outcomes

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

1. Understand basic principles of evolution: variation, inheritance, selection, adaptation;
2. Identify evidence of evolution: fossil record, homologous structures, biochemistry, selective breeding;
3. How structure and function reflect adaptation in evolution and understand how structure and function is related to each other;
4. Understand the interactions between different organisms within a mesocosm;
5. Increase personal skills in problem-solving.



## ◆ Introduction

Evolution in a Tiny Ecosystem provides a comprehensive overview of the basic principles of evolution, the supporting evidences of it, and how structure and function reflect adaptation in evolution. The programme focuses on the lab practical, where participants will create a mesocosm, which is a small-scale ecosystem that mimics a larger natural ecosystem, observes the interactions among different organisms within it. Through attending programme and engaging in discussions, participants will gain an understanding of the fundamental concepts in evolution. The programme aims to equip participants with a better understanding of the principles of evolution and their relevance to the natural world.

## ◆ Schedule

Session	Date	Time	Venue
1	22 July 2023 (Sat)	2:00p.m. – 4:00p.m.	HKAGE

## ◆ Target Participants

- P4 to P6 HKAGE student members in 2022/23 school year
- Class size: 10
- 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 English handouts

## ◆ Certificate

E-Certificate will be awarded to participants who have:

- attended ALL sessions; AND
- completed all the assignments with satisfactory performance