

## BIG IDEAS: Urban Farming Maker Programme

### (Advanced Prototyping)

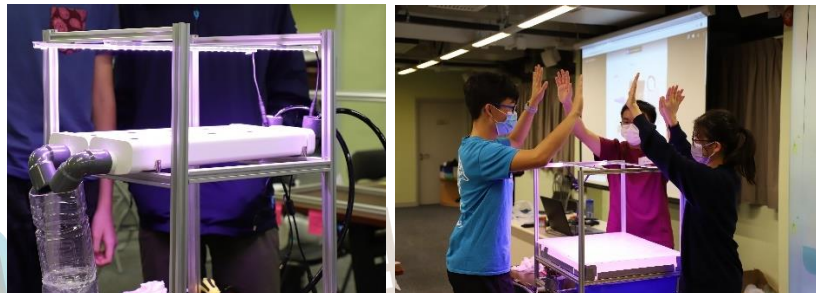
(S3STM001C)

#### Introduction

*Have you ever used and designed your own hydroponics system?*

*If YES, are you satisfied with its function and operating system?*

This is your chance!!



This programme is the **extension of Urban Farming Maker Programme (ALE/UF/002/C)** aiming at giving students to cooperate with each other to finalise the prototype to become a better hydroponic system with well-developed water circulation and coding system.

#### Programme Type

Workshop (Advanced) ([Token required](#))

#### Facilitators/Instructors

Mr Sam Chong (Chief Instructor, KeyLearning Education (Asia) Limited)

#### Target Participants



- Students who had completed Urban Farming Maker Programme (ALE/UF/002/C) will be prioritized.
- S1 to S6 HKAGE members (in 2020 / 2021 school year)
- Capacity: 15

#### Medium of Instruction



Cantonese (supplemented with English, if necessary)

#### Certificate



Participants who have attended **not less than 3 sessions** and **also** fulfilled the performance requirements will be awarded an e-certificate with a remark of Merit or Distinction.

The e-certificate will be issued by the HKAGE.

## Intended Learning Outcomes



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

- finalise their prototype that made in Urban Farming Maker Programme (ALE/UF/002/C) to become a better hydroponic system with well-developed water circulation and coding system;
- create a specialised lightening system for different planting species;
- plant some vegetables with the prototype successfully; and
- appreciate how technology can improve the quality of farming.

## Application Procedures



Please provide answers to the screening questions on the online form.

Students who are eager to enhance their urban farming knowledge / skills through hands on projects will be welcome and preferred.

## Application Deadline

**2<sup>nd</sup> July 2021 (Fri) (12n.n.)**

## Application Result Release Date

**6<sup>th</sup> July 2021 (Tue)**

## Schedule



Date	Time	Key Topics	Venue
15 July 2021(Thur)	2:00 p.m.– 4:00 p.m.	Engineering Design Process	Room 105, HKAGE
16 July 2021(Fri)	10:00 a.m.– 12:00 n.n.	Wavelength Technology	
23 July 2021(Fri)		Scientific Investigation Skill	
6 August 2021(Fri)		Big Data Analysis	

## Remarks

This workshop may be postponed, cancelled or conducted online in respect of the latest development of the pandemic disease. Further notice will be made to the shortlisted applicants via email.

## Enquiries



For enquiries, please contact Ms Kathy Cheung at 3940 0101 (after language selection, press 6) or email to [ale@hkage.org.hk](mailto:ale@hkage.org.hk).

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