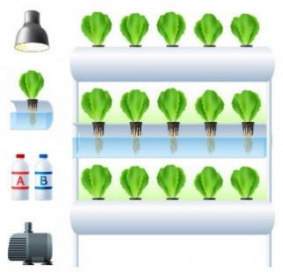


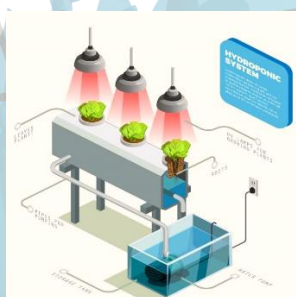
## **BIG IDEAS : Preliminary Workshop for** **Urban Farming Maker Programme (Smart Hydroponic System)**

(ALE/UF/001/W)

### Introduction



Source: <https://www.freepik.com/free-photos-vectors/food> Food vector created by macrovector - www.freepik.com



Source: <https://www.freepik.com/free-photos-vectors/infographic> Infographic vector created by macrovector - www.freepik.com

Is it possible to grow fresh vegetables in indoor environments? How can advanced technology be applied in urban farming?

Nowadays, urban farming becomes more and more popular, as many studies have shown that it is highly productive and can increase the global food supply. In this workshop, students can recognise the significance of urban farming and understand the mechanism of a hydroponic system through hands-on activities.

This workshop aims to:

- enhance students' awareness and understanding of urban farming.
- enable students to gain insights into hydroponics and its benefits.
- teach students to use and operate a hydroponic system.

### ★★★Advanced Programme ★★★



According to the performance, some students will be selected to join the advanced programme : **“Urban Farming Maker Programme (ALE\_UF.002.C)”**. In that programme, students will design and construct a **hydroponic system**.

### Programme Type

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

### Facilitators/Instructors

Instructor with professional knowledge and skills of urban farming and hydroponics

### Target Participants



- S1 to S5 HKAGE members (in 2019 / 2020 school year)
- Capacity: 30

### Medium of Instruction



Cantonese (supplemented with English, if necessary)

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<b>Certificate</b>		Participants who satisfy 100% attendance rate and fulfil the assessment requirements at respective levels will be awarded a certificate issued by the HKAGE.	
<b>Intended Learning Outcomes</b>		Upon completion of the workshop, participants should be able to: <ol style="list-style-type: none"> <li>identify the global problems relating to food shortage, agriculture or hunger.</li> <li>identify the current trend of urban farming and explain how it can solve related problems.</li> <li>use and operate a hydroponic system properly.</li> </ol>	
<b>Application Procedures</b>		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.	
<b>Application Deadline</b>	<b>22<sup>nd</sup> July 2020 Wednesday (12n.n.)</b>	<b>Application Result Release Date</b>	<b>24<sup>th</sup> July 2020 Friday</b>
<b>Schedule</b>		<b>Date: <del>3<sup>rd</sup> August 2020 (Monday)</del>          12<sup>th</sup> Sep 2020 (Saturday)</b> <b>Time: 10:00 a.m. to 12:00 noon</b> <b>Venue: <span style="background-color: yellow;">HKAGE</span></b>	
<b>Remarks</b>	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.		
<b>Enquiries</b>		For enquiries, please contact Mr Peter CHUNG at 3940 0101 (after language selection, press 6) or email to <a href="mailto:ale@hkage.org.hk">ale@hkage.org.hk</a> .	

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