

BIG IDEAS: Urban Farming Maker Programme

(Hydroponics Studies – Site Visit)

(S3STM001W)

Introduction

There is a growing trend on consuming vegetables recently, people started to concern about the quality of vegetables. Different from the traditional farming that planting in soil with chemical pesticide, the hydroponic farming can prevent the intake of metallic contamination from the soil. It can guarantee its quantity and quality under a controlled environment.

Members can visit the largest hydroponic farm in Hong Kong, experience each step of hydroponics, from seeding, harvesting, processing to selling and understand the importance of hydroponic to Hong Kong long-term development.



(The natural sunlight can control the temperature of greenhouse. To prevent the ticks and insects interfere the growth of vegetables, all vegetables are cultivated over 1 meter above the ground with screens. No fertilizer is needed.)



Programme
Type

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

Target Participants		<ul style="list-style-type: none"> ➤ Students who had / will completed Urban Farming Maker Programme (S3STM001C/S3STM002C) will be prioritized. ➤ S1 to S6 HKAGE members (in 2020 / 2021 school year) ➤ Capacity: 35 															
Medium of Instruction		Cantonese															
Certificate		Participants who have attended the session with completed the course evaluation form and also fulfilled the performance requirements will be awarded an e-certificate. The e-certificate will be issued by the HKAGE.															
Intended Learning Outcomes		Upon completion of the programme, the participants should be able to: <ol style="list-style-type: none"> a. understand the basic operation system, application and history of hydroponic system; b. recognize different modes of hydroponic systems and the new development of solar power and greenhouse; c. explain how to collect and test the water quality; and d. appreciate local farming and the value of food production. 															
Application Deadline	28th July 2021 (Wednesday) (12n.n.)	Application Result Release Date	29th July 2021 (Thursday)														
Schedule		<table border="1"> <thead> <tr> <th>Date</th> <th>Time</th> <th>Key Topics</th> <th>Venue</th> </tr> </thead> <tbody> <tr> <td rowspan="3">11th August 2021 (Wednesday)</td> <td>8:40 a.m.</td> <td>Assemble</td> <td>HKAGE room 105</td> </tr> <tr> <td>10:00 a.m.– 12:00 n.n.</td> <td>Site Visit</td> <td>HK Hydroponics (Lau Fau San) (nearby “Giant Aquaponic”)</td> </tr> <tr> <td>About 1:00 p.m.</td> <td>Dismiss</td> <td>HKAGE Front Door</td> </tr> </tbody> </table>		Date	Time	Key Topics	Venue	11 th August 2021 (Wednesday)	8:40 a.m.	Assemble	HKAGE room 105	10:00 a.m.– 12:00 n.n.	Site Visit	HK Hydroponics (Lau Fau San) (nearby “Giant Aquaponic”)	About 1:00 p.m.	Dismiss	HKAGE Front Door
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Remarks	This workshop may be postponed or cancelled 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 .																

*HKAGE will provided the shuttle bus for travelling. Students should attend at **8:40 a.m.** in HKAGE.