

BIG IDEAS: Urban Farming Maker Programme

(Prototyping)

(S3STM002C)

Introduction

Have you ever designed your own hydroponics system?

Have you ever grown fresh vegetables in indoor environments?

Do you know how advanced technology be applied in urban farming?

The strategy of the Hong Kong 2030+ is to advocate sustainable development with a view to meeting present and future social, environmental and economic needs and expectation.







In this respect, three building blocks, namely planning for a liveable high-density city (Building Block 1), embracing new economic challenges and opportunities (Building Block 2), and creating capacity for sustainable growth (Building Block 3), have been established as a framework under the Hong Kong 2030+.

Urban farming, in particular, play a role in Building Block 1 and 3 by contributing a green network for enhancing liveability to the community for a sustainable development.

In light of this, Advanced Learning Experiences Division will organise “BIG IDEAS: Urban Farming Maker Programme (Prototyping)” for students to recognise the significance of urban farming and understand the mechanism of a hydroponic system through hands-on activities.

*This programme is the combination of “BIG IDEAS : Preliminary Workshop for Urban Farming Maker Programme (Smart Hydroponic System) (ALE/UF/001/W)” and “BIG IDEAS: Urban Farming Maker Programme (Advanced Prototyping) (S3STM001C)”. If students have applied BIG IDEAS: Urban Farming Maker Programme (Prototyping) (S3STM002C) should not apply for BIG IDEAS: Urban Farming Maker Programme (Advanced Prototyping) (S3STM001C)”.



Programme Type	Workshop (Advanced) (Token required)																	
Facilitators/Instructors	Mr Sam Chong (Chief Instructor, KeyLearning Education (Asia) Limited)																	
Target Participants		<ul style="list-style-type: none"> ➤ S1 to S6 HKAGE members (in 2020 / 2021 school year) ➤ Capacity: 20 																
Medium of Instruction		Cantonese (supplemented with English, if necessary)																
Certificate		<p>Participants who have attended not less than 6 sessions and also fulfilled the performance requirements will be awarded an e-certificate with a remark of Merit or Distinction.</p> <p>The e-certificate will be issued by the HKAGE.</p>																
Intended Learning Outcomes		<p>Upon completion of the programme, the participants should be able to:</p> <ol style="list-style-type: none"> a. design and create a hydroponic system by integrating and applying knowledge and skills across multiple subject disciplines; b. write basic programs or devise mechanisms to monitor and operate a hydroponic system; and c. develop at least one 21st Century skills (e.g. creativity, critical thinking, problem solving, communication, collaboration, ICT Literacy, leadership). 																
Application Procedures		<p>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.</p>																
Application Deadline	5 th July 2021 (Mon) (12n.n.)	<p>Application Release Date</p> <p>Result 7th July 2021 (Wed)</p>																
Schedule		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Date</th> <th style="width: 30%;">Time</th> <th style="width: 40%;">Venue</th> </tr> </thead> <tbody> <tr> <td>19/7/2021 (Mon)</td> <td rowspan="8" style="text-align: center; vertical-align: middle;">2:00 p.m. – 4:00 p.m.</td> <td>Room 105, HKAGE</td> </tr> <tr> <td>21/7/2021 (Wed)</td> <td>Room 303, HKAGE</td> </tr> <tr> <td>27/7/2021 (Tue)</td> <td rowspan="5" style="text-align: center; vertical-align: middle;">Room 105, HKAGE</td> </tr> <tr> <td>28/7/2021 (Wed)</td> </tr> <tr> <td>29/7/2021 (Thur)</td> </tr> <tr> <td>3/8/2021 (Tue)</td> </tr> <tr> <td>9/8/2021 (Mon)</td> </tr> <tr> <td>10/8/2021 (Tue)</td> <td>Room 303, HKAGE</td> </tr> </tbody> </table>	Date	Time	Venue	19/7/2021 (Mon)	2:00 p.m. – 4:00 p.m.	Room 105, HKAGE	21/7/2021 (Wed)	Room 303, HKAGE	27/7/2021 (Tue)	Room 105, HKAGE	28/7/2021 (Wed)	29/7/2021 (Thur)	3/8/2021 (Tue)	9/8/2021 (Mon)	10/8/2021 (Tue)	Room 303, HKAGE
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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.

Advanced Learning Experiences 

進階學習體驗

