



C4STM003C

[\(Token- required\)](#)

STEM Course (Level IV):

Sustainable Future Phase III - Healthy Life Style in Smart Environment

Representatives from Hong Kong Baptist University



**Students with
satisfactory
performance in Phase II
and recommended by
the instructor ONLY**

Intended Learning Outcomes

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

1. gain a thorough understanding of the concept of healthy lifestyles in a smart environment;
2. develop problem-solving skills and a mindset applicable to the program's theme;
3. evaluate and interpret social/global issues related to the program's theme.



◆ Introduction

To encourage closer academic ties between educational institutions for the benefit of gifted education in Hong Kong, the Faculty of Science, Hong Kong Baptist University and HKAGE develop a theme-based STEM program entitled “Health Life Style in Smart Environment” for the coming year. This ONE-year programme includes THREE individual phases that will advocate interdisciplinary approaches with focused on the environment and health, biomedical science, analytical chemistry, data analytics, and artificial intelligence. Students who fulfil the courses assessment in each phase, will be qualified for joining the upper level courses (Phase II and III courses). Basically, the Phase I courses will be conducted mainly on a lecture basis. All courses will adopt an interactive and self-motivated mode of teaching and learning. Phase II course will be run in laboratory workshop basis that focused on hands-on and practical training; in Phase III, students are requested to applying the learnt knowledge and practical skills for problem solving in the real situation. All courses will adopt interactive and self-motivated mode of teaching and learning.

The Phase III course adopts a student-centered approach with mentoring and supervision. Students will be asked to identify a social or global issue related to the program's theme and propose a solution, as well as design a prototype for problem-solving, incorporating the knowledge gained from Phases I and II. This course will be conducted in a group-based format.

This course is under the collaboration of HKAGE and the Faculty of Science, Hong Kong Baptist University.

◆ Target Participants

- Student who have completed Sustainable Future Phase II (C4STM002C) and recommended by the instructor ONLY
- Class size: 10
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◆ Pre-requisite

No special prerequisites are needed

◆ Medium of Instruction

English with English handouts

◆ Certificate

E-Certificate will be awarded to participants who have:

- attended at least 16 sessions; AND
- completed all the assignments with satisfactory performance



◆ Schedule

Session	Date	Time	Venue
1	2 Dec	9:00 a.m. – 12:00 noon	Hong Kong Baptist University
2	3 – 31 Dec	Consultation *	Hong Kong Baptist University
3	6 Jan	9:00 a.m. – 12:00 noon	Hong Kong Baptist University
4	1 – 31 Jan	Consultation *	Hong Kong Baptist University
5	3 Feb	9:00 a.m. – 12:00 noon	Hong Kong Baptist University
6	1 – 29 Feb	Consultation *	Hong Kong Baptist University
7	2 Mar	9:00 a.m. – 12:00 noon	Hong Kong Baptist University
8	1 – 31 Mar	Consultation *	Hong Kong Baptist University
9	13 Apr	9:00 a.m. – 12:00 noon	Hong Kong Baptist University
10	1 – 30 Apr	Consultation *	Hong Kong Baptist University
11	4 May	9:00 a.m. – 12:00 noon	Hong Kong Baptist University
12	1 – 31 May	Consultation *	Hong Kong Baptist University
13	1 Jun	9:00 a.m. – 12:00 noon	Hong Kong Baptist University
14	1 – 30 Jun	Consultation *	Hong Kong Baptist University
15	6 Jul	9:00 a.m. – 12:00 noon	Hong Kong Baptist University
16	1 – 31 Jul	Consultation *	Hong Kong Baptist University
17	3 Aug	9:00 a.m. – 12:00 noon	Hong Kong Baptist University
18	1 – 30 Aug	Consultation *	Hong Kong Baptist University
19	29 Aug	2:00 p.m. – 5:00 p.m.	Hong Kong Baptist University
20	30 Aug	10:00 a.m. – 1:00 p.m. 2:00 p.m. – 4:00 p.m.	Hong Kong Baptist University

* The consultation session is to be arranged upon student request and progress.
Please check with the instructor during the lectures.