

# The 10<sup>th</sup> ESD Learning Programme (Secondary Group)

## *Respond to the "United Nations Agenda 2030" and the Sustainable Development Goals*

### Learning Aims

- Cultivate students' sustainable living habits and awareness
- Encourage students to change their existing behaviors and attitudes, and to promote the sustainable development of society in the future
- Improve students' knowledge and skills, strengthen communication skills and problem-solving skills
- Train students to think about problems from multiple angles and understand the relationship between different learning fields and personal, environmental, economic, cultural, social and sustainable development

### Programme Features

- Programme is related to education of sustainable development which is coordinated by programme directors from educational and professional fields for 6 learning topics: ), Zero Hunger(Sustainable Agriculture), Good Health and Well-being(Mental & Behavioral Health), Quality Education(STEM), Decent Work and Economic Growth(Sustainable Tourism), Sustainable Cities and Communities, Responsible Consumption and Production(Sustainable Environment), and Life Below Water(Marine life under pollution and climate change)
- Programme will be started in November and ended in March, a 5-month comprehensive co-curricular activities
- Programme content will cover "Citizenship and Social Development" and "Other Learning Experiences"
- Students will form a group of 6-10 ppl and choose from 6 learning topics for their studies
- Mentor from college/university will assistant the groups for their studies
- Certificates will be presented to students and awards to excellence teams after the programme is finished

Date & Time	Venue	Event
2021.11.27 (SAT) 10:00am – 12:00pm	Hong Kong Institute of Education for Sustainable Development (UQ Place, 7 Austin Road, Kowloon)	Opening and Keynote Speech
2021.11.27 (SAT) 2:00pm – 3:30pm		Sustainable Development Goals Theme Workshop
2021.11.27 (SAT) 4:00pm – 5:30pm		Theme Seminar
2021.12 – 2022.2 (Friday afternoon or weekends)	Site Visit Outside School	Site Visit
2022.2 – 2022.3	Inside School	Preparation for Group Presentation
2022.3.26 (SAT) 9:30pm – 13:00pm	Hong Kong Institute of Education for Sustainable Development (UQ Place, 7 Austin Road, Kowloon)	Group Presentation & Judging
2022.3.26 (SAT) 2:30pm – 4:30pm		Closing & Award Presentation Ceremony

Remarks : The organizer reserves the right to adjust or change the programme content and site visit venue should unforeseen circumstances occur.

# Topic 1 : Zero Hunger

(Sustainable Agriculture)



Site Visit :

- **Mapopo Community Farm**

Mapopo practices local agriculture based on the principles of perpetual agriculture. Re-understand the significance of rural and indigenous agriculture in the New Territories.

- **Natural Network Educational Farm**

Feel the breath of the countryside, the instructor will use the in-depth and simple, lively and relaxed approach to experience rural life, enjoy farmland life, learn environmental life knowledge, and apply it in daily life.

# Topic 2 : Good Health and Well-being

(Mental and Behavioral Health)



Site Visit :

- **New Life Psychiatric Rehabilitation Association**

Through professional services, social enterprises, promotion of mutual assistance and family support, the association will strive for equal opportunities for ex-mentally ill persons and help them improve their quality of life so as to achieve full integration into society.

- **The Institute of Mental Health (IMH), Castle Peak Hospital**  
It was established in 2002. The IMH endeavors to promote community mental health and public mental health literacy by provision of public education, professional training and research in mental health.



# Topic 3 : Quality Education

(STEM)



Smart cars and smart robots becomes a very important part of our daily lives. With the continuous development of technology, our robots and vehicles are constantly evolving. This course will teach students how to use Arduino to program and build their own smart car with intelligent obstacle avoidance function, so as to instill the basic concepts of electronics and machinery, and learn how to program with Arduino is a very valuable skill that can be used in various modern robotics technologies.

Course aims:

- Cultivate logical thinking and problem-solving skills
- Understand the basic knowledge behind electronics, mechanics and physics
- Understand the principle of programming, learn to program with Arduino



## Topic 4 : Decent Work and Economic Growth

(Sustainable Tourism)

8 DECENT WORK AND ECONOMIC GROWTH



Site Visit :

- **Jao Tsung-I Academy**

The Academy is located on a leafy hillside in Lai Chi Kok, an oasis nestled between the buildings of modern Hong Kong. It's most recent life was as a psychiatric rehabilitation centre. Further back in the past, before the reclamation of the area around Mei Foo and Lai Chi Kok, the site was right next to the sea.

- **Nature Journey in Luk Keng**

Focus on ecological guided tours and natural emotional experience, learn about the important role of mangroves in natural ecology, and get close to the natural friends on the coast—fiddler crabs and mudskippers. On the other hand, the instructor will use different sentimental natural activities to lead everyone into nature step by step and to learn about pollution-free green tourism at the same time.



## Topic 5 : Sustainable Cities and Communities

11 SUSTAINABLE CITIES AND COMMUNITIES



Site Visit :

- **Green Hub**

Revitalized from the old Tai Po Police Station, a Grade I historical building, to promote a sustainable life base and demonstrate the spirit of respect for each other and nature.

- **The Green Atrium**

A sustainable green building with an interactive learning center, audio-visual gallery, butterfly garden, fish and vegetable symbiosis pond and beehive. It provides guided tours. Through games and learning experiences, you can learn about the concepts of sustainable development, environmental protection and organic farming.



## \*Topic 6 : Responsible

\*Only this topic will be delivered in English, others in Chinese

## Consumption and Production (Sustainable Environment)

12 RESPONSIBLE CONSUMPTION AND PRODUCTION



應用科學系



### Site Visit :

- **Organic Snail Experiment**

Laboratory tests arranged by the Department of Applied Science of the Hong Kong Institute of Vocational Education (Sha Tin) to analyze the soil composition under different environmental pollution.

- **Tseung Kwan O Landfill**

One of the three strategic landfills in HK, built by the HK government at 2.1 billion Hong Kong dollars. The landfill uses advanced landfill technology to cope with the society's increasing requirements for environmental protection, and provide necessary waste disposal places for Hong Kong



## Topic 7 : Life Below Water

(Marine life under pollution and climate change)

14 LIFE BELOW WATER



The ocean drives global systems that make the Earth habitable for humankind. Our rainwater, drinking water, weather, climate, coastlines, much of our food, and even the oxygen in the air we breathe, are all ultimately provided and regulated by the sea.

### Course aims:

- Understand the basic knowledge of marine life
- How pollution and climate affect marine life
- Explore and discuss the possible ways to protect the ocean



Deadline of enrollment :  
2021.11.15 ( 5pm )

## Enrollment Form

Name of School (Full name in Chinese and English)	
Teacher/Person in charge	Address
Phone	Email
Fax	Cell phone

Our school would like to join below the programme:

### **Secondary group:**

- Zero Hunger** (Sustainable Agricultural) ( No. of team:\_\_\_\_\_ Total no. of students:\_\_\_\_\_ )
- Good Health and Well-being** (Mental and Behavioral Health)  
( No. of team:\_\_\_\_\_ Total no. of students:\_\_\_\_\_ )
- Quality Education** (STEM) ( No. of team:\_\_\_\_\_ Total no. of students:\_\_\_\_\_ )
- Decent Work and Economic Growth** (Sustainable Tourism)  
( No. of team:\_\_\_\_\_ Total no. of students:\_\_\_\_\_ )
- Sustainable Cities and Communities** ( No. of team:\_\_\_\_\_ Total no. of students:\_\_\_\_\_ )
- Responsible Consumption and Production** (Sustainable Environment)  
( No. of team:\_\_\_\_\_ Total no. of students:\_\_\_\_\_ )
- Life Below Water (Marine Life under Pollution and Climate Change)**  
( No. of team:\_\_\_\_\_ Total no. of students:\_\_\_\_\_ )

Payment method: (Fee : [HKD800/pax](#) for student from [non-member school](#);  
[HKD600/pax](#) for student from [member school](#))

- ATM Transaction ([Please email the bank in slip with this form to us](#))  
HSBC 502-466550-001
- Cheque payment (Cheque no: \_\_\_\_\_)

Payable to UNESCO Hong Kong Association Limited. Please send the cheque together with this form to The Secretariat of UNESCO Hong Kong Association. Address: 3/F, UQ Place, No. 7 Austin Road, Kowloon. Please mark "ESD 2021/22 Enrollment" on the envelop.

### Contact

Phone: 2312 7696 Email: [esd@unesco.hk](mailto:esd@unesco.hk)

Address: 3/F, UQ Place, No. 7 Austin Road, Kowloon, Hong Kong

**Member School  
Application Form:**

[https://drive.google.com/drive/folders/198Xg5ap6bzQPQ8IA5-QewJdsPtxos1\\_I?usp=sharing](https://drive.google.com/drive/folders/198Xg5ap6bzQPQ8IA5-QewJdsPtxos1_I?usp=sharing)

