

**ECC Education for Sustainable Development Series: STEAM x Artificial
Intelligence Applications – Innovative Teaching and Climate Change
Rundown**

Pre-Training:

1. An account on SDGCAMPUS will be created for the participants.
2. Materials on the United Nations Sustainable Development Goals and an introductory video / resources on AI-assisted data analysis are provided to the participants in advance via SDGCAMPUS.
3. A pre-training survey will be collected via SDGCAMPUS.
4. An account on the AI Classroom Teaching Analysis and Application Platform will be created for the participants.

Training Day (19 December 2026):

13:40-14:00	Assemble at Room 301, 3/F, Patriotic Education Centre, No.1 Fung Shek Street, Tai Wai, Sha Tin, New Territories, Hong Kong (Hong Kong Institute of Education for Sustainable Development).
	Registration, Welcome & Kit Distribution
14:00-14:15	Brief introduction of values education (including education for sustainable development) by EDB Representative
14:15-14:50	Opening Expert Seminar on the "UNESCO Green School Quality Standard" by Dr. Raymond Fong (Lecturer of HiESD, Former Senior Curriculum Development Officer of the Education Bureau of the Government of HKSAR)
14:50-15:25	Interactive lecture by Ir. Vincent Kong (Lecturer of HiESD, Certified Engineer, Certified Sustainable Development Planner, CSDP) on the Science Foundations of Climate Change
15:25-16:25	Hands-on AI-Assisted Data Analysis Workshop by Dr. Raymond Fong • Activity 1: Teachers analyse real climate datasets • Activity 2: Teachers create compelling data visualisations (e.g. line graphs, bar charts, heat maps) using natural language prompts • Activity 3: Teachers interpret the visualisations and identify trends, anomalies, and implications for Hong Kong.
16:25-16:35	Break
16:35-16:55	AI Classroom Teaching Analysis and Application platform showcase by Dr. Raymond Fong
16:55-17:25	Collaborative Discussion & Curriculum Design Using the Platform by teachers

17:25-17:50	Sharing, Expert Feedback and Peer Feedback
17:50-18:00	Closing and explaining follow up activities
18:00	Dismissal at the Hong Kong Institute of Education for Sustainable Development

Post-Training:

1. Evaluation Survey: Participants need to complete a post-training evaluation survey.
2. Participating teachers may choose to submit a “STEAM Climate Action Lesson Plan and Teaching Script” within 14 working days after completing the training. Teachers can input the details in the “AI Classroom Teaching Analysis and Application Platform” to generate and export a customised teaching script based on their own teaching needs. If they choose to submit, the expert team will provide feedback on the documents within 10 working days after receiving the documents.
3. SDGCAMPUS Digital Platform resource sharing: teaching slides, templates, and e-book resources are shared on the SDGCAMPUS platform for participants to review.