環運會可持續發展教育系列：STEAM x 人工智能應用 ──

氣候變化與創新教學

活動流程

培訓前：

1. 為參加者開設 SDGCAMPUS 帳戶。
2. 通過 SDGCAMPUS 提前向參加者提供聯合國可持續發展目標的相關教材，以及 AI 數據分析的介紹影片/資料。
3. 通過 SDGCAMPUS 收集培訓前問卷。
4. 為參加者開設「AI 課堂教學分析應用平台」帳戶。

培訓當日（2026 年 12 月 19 日）：

13:40-14:00	於香港可持續發展教育學院（香港新界沙田大圍豐石街 1 號愛國教育支援中心 3 樓 301 室）集合
	登記、歡迎及領取資料包
14:00-14:15	教育局代表簡介價值觀教育（包括可持續發展教育）
14:15-14:50	專家講座：「聯合國教科文組織綠色學校質量標準」 – 方偉雄博士（香港可持續發展教育學院講師）主講
14:50-15:25	互動講座 – 江智遠工程師（香港可持續發展教育學院高級講師）主講
15:25-16:25	實踐工作坊：AI 數據分析 – 方偉雄博士 ● 活動一：教師分析真實氣候數據集 ● 活動二：教師使用自然語言提示製作數據可視化圖表（例如線圖、長條圖、熱力圖） ● 活動三：教師解讀可視化圖表，識別氣候變化趨勢、異常情況及對香港的影響
16:25-16:35	小休
16:35-16:55	AI 課堂教學分析應用平台展示 – 方偉雄博士
16:55-17:25	教師小組討論，使用平台進行課程設計
17:25-17:50	分享、專家點評及教師互相反饋
17:50-18:00	總結及跟進活動說明
18:00	於香港可持續發展教育學院解散

培訓後：

1. 評估問卷：參加者需完成培訓後評估問卷。
2. 參加教師可於培訓完成後 14 個工作天內天內，自由選擇是否提交「STEAM 氣候行動教案及講課稿」，教師可按個人教學需要，於「AI 課堂教學分析應用平台」輸入資料後導出專屬講課稿。如選擇提交，專家團隊將於收到文件後的 10 個工作天內提供點評。
3. SDGCAMPUS 平台資源共享：教學資料、模版及電子書資源將上載至 SDGCAMPUS 平台，供參加者複習參考。

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)
14:50-15:25	Interactive lecture by Ir. Vincent Kong (Lecturer of HiESD) 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 climate change 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.