

EDUCATION BUREAU CIRCULAR MEMORANDUM NO. 32/2024

From : Secretary for Education
To : Heads of Government, Aided (including Special Schools), Caput and Direct Subsidy Scheme (DSS) Primary Schools

Ref. : EDB/CSD/TE/03-05/001
Date : 24 Jan 2024

Curriculum Module on Innovation and Technology Education - “Enriched Module on Coding Education for Upper Primary Level – Primary 5”

Summary

The purpose of this circular memorandum is to announce the captioned module for adoption by schools to further promote innovation and technology (I&T) education.

Background

2. The Education Bureau (EDB) has been stepping up the promotion of STEAM (Science, Technology, Engineering, the Arts and Mathematics) education in primary and secondary schools, with the aim of promoting I&T education for all students and strengthening students’ interest in and capability of learning information technology (IT) and I&T. EDB continues to incorporate I&T learning elements into both the primary and secondary curricula.

3. Regarding I&T education in primary schools, EDB announced the “Enriched Module on Coding Education for Upper Primary Level – Primary 4” through Circular Memorandum No. 109/2023 in the past school year (2022/23) for all publicly-funded schools to adopt, aiming to help teachers integrate I&T elements into classroom learning more systematically. EDB launches the “Enriched Module on Coding Education for Upper Primary Level – Primary 5”, which is also adapted from the project deliverables of “Coolthink@JC”¹ initiated and funded by the Hong Kong Jockey Club Charities Trust (HKJCCT). Views on the content of the module were collected from the Committee on Technology Education of Curriculum Development Council and their support was sought.

Details

4. EDB launches the “Enriched Module on Coding Education for Upper Primary Level - Primary 5” for adoption by schools. Schools are suggested to conduct timely curriculum planning with a view to further developing students’ computational thinking and strengthening I&T learning. The implementation arrangements and details of the curriculum module are as follows:

¹ “CoolThink@JC” is initiated and funded by the Hong Kong Jockey Club Charities Trust (HKJCCT) and co-created by the Education University of Hong Kong, the Massachusetts Institute of Technology, and the City University of Hong Kong.

“Enriched Module on Coding Education for Upper Primary Level – Primary 5”

- The “Enriched Module on Coding Education for Upper Primary Level – Primary 5” builds on the computational thinking concepts and skills students learnt in Primary 4. In addition to deepening the learning on “Abstraction”, “Algorithm” and “Automation”, the content also focuses on coding to control physical objects with the use of sensors and actuators to interact with the environment for tackling daily problems. As for the curriculum module for Primary 6, it will be released later in this school year.
- The “Enriched Module on Coding Education for Upper Primary Level” is designed in accordance with the revised “Computational Thinking – Coding Education: Supplement to the Primary Curriculum” (“the supplementary document”) issued in 2020. Schools should plan their curriculum with reference to the supplementary document and the curriculum module to meet the learning needs of students, and incorporate 10 to 14 hours of enriched coding education for all upper primary students at each level every year.

The above module has been uploaded to the EDB website (<https://www.edb.gov.hk/landT/en>).



Support Measures for Schools

5. EDB will continue to organise related professional development programmes in the current school year (2023/24), including workshops, to equip teachers with strategies to plan the curriculum implementation of the above curriculum module. This facilitates the implementation of STEAM education and I&T learning for all students. Details of the professional development programmes will be announced on the EDB Training Calendar.

Enquiries

6. For enquiries, please contact Ms Cecilia CHAN (coding education for upper primary level) of the Technology Education Section, Curriculum Support Division, Education Bureau on 3698 3133.

Henry LIN
for Secretary for Education

cc: Heads of Sections – for information