

# **The New K-12 Computing Curriculum in Taiwan: Its Rationale, Content, and Implementation Issues**

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## **Abstract**

Coping with rapid change in information technology, many developed countries have revised their computing curriculum to achieve the aims of education according to changing social and economic requirements. The MOE of Taiwan is also reforming the Computing curriculum to prepare the citizens for lives and careers in a computing-intensive world regarding Computational Thinking (CT) as a core principle. This CT-based curriculum drives the need for educated citizens who can use the power of computing to solve problems, create algorithms or artifacts cooperatively, present their ideas, and communicate appropriately with computational thinking and tools. This talk will serve as an introduction to the new K-12 Computing curriculum in Taiwan from the rationale to content, and in particular, present the exemplar instructional materials to illustrate the implementation of the new curriculum.