Inspiring Digital Creativity

CoolThink@JC is created and funded by The Hong Kong Jockey Club Charities Trust, and co-created by The Education University of Hong Kong, Massachusetts Institute of Technology, and City University of Hong Kong. CoolThink@JC aims at inspiring students to apply digital creativity in their daily lives and preparing them to tackle future challenges in any fields. Promoting computational thinking (CT) education can move students beyond mere technology consumption and into problem-solving, creation and innovation. This 4-year initiative will train 100 teachers for the benefit of 16,500 upper primary students at 32 schools. Insights and curricular materials from this initiative will be shared openly with educators across the territory.

www.coolthink.hk

CoolThink@JC

賽馬會運算思維教育

Inspiring digital creativity 啟發數碼創意

Programme or be programmed?

Become **creators**, not mere consumers of technology.

Why Learn "Computational Thinking"?

> **Prepare our children to be creators, and not merely consumers of technology**

Is your child obsessed with digital products or video games? Now we can turn their passion into creativity.

> **The world has already moved ahead. What are we waiting for?**

Many advanced economies have recognised the importance of computational thinking and coding for the 21st century. Countries such as the U.K., Korea and Japan are already making computating a part of their educational curriculums.

CoolThink 運算思維 = Concepts (Fundamental Coding Concepts) + Practices (Problem-Solving Skills) + Perspectives (Identity and Motivation)

Grounded in computer science principles, computational thinking empowers students to move beyond mere technology consumption and into problem-solving, creation and innovation.

We believe that primary school education should be key in laying the foundations for the computational thinking. Computational thinking entails developing fluency with programming concepts (key constructs and ideas that are central to most forms of computing). But more fundamental than specific coding details, computational thinking includes the ability to pose problems and seek solutions that use key practices involved in computing and programming.

And beyond solving problems with computers, young people should develop perspectives like digital empowerment, which enables them to see how challenges in the world around them could be addressed through computational thinking.

Take a Step to Inspire Digital Creativity

We will organize a series of seminars and workshops for teachers and parents to help them better understand computational thinking. Come learn and play! We will hold annual territory-wide inter-school competitions and large-scale academic conferences as well. Find out more at our website and subscribe to our e-newsletter.

www.coolthink.hk >