

計算思維 是.....

- 一種生活、工作及學習模式
- 一種技能
- 一種態度
- 一種素養

A hand is shown in the bottom right corner, holding a white marker and writing on a blackboard. The blackboard contains the text 'A ATTITUDE', 'C CHANGES', and 'T THINGS' in white capital letters. Each letter is preceded by a small colored square: orange for 'A', green for 'C', and blue for 'T'.

A ATTITUDE
C CHANGES
T THINGS

為甚麼要推行計算思維教育？

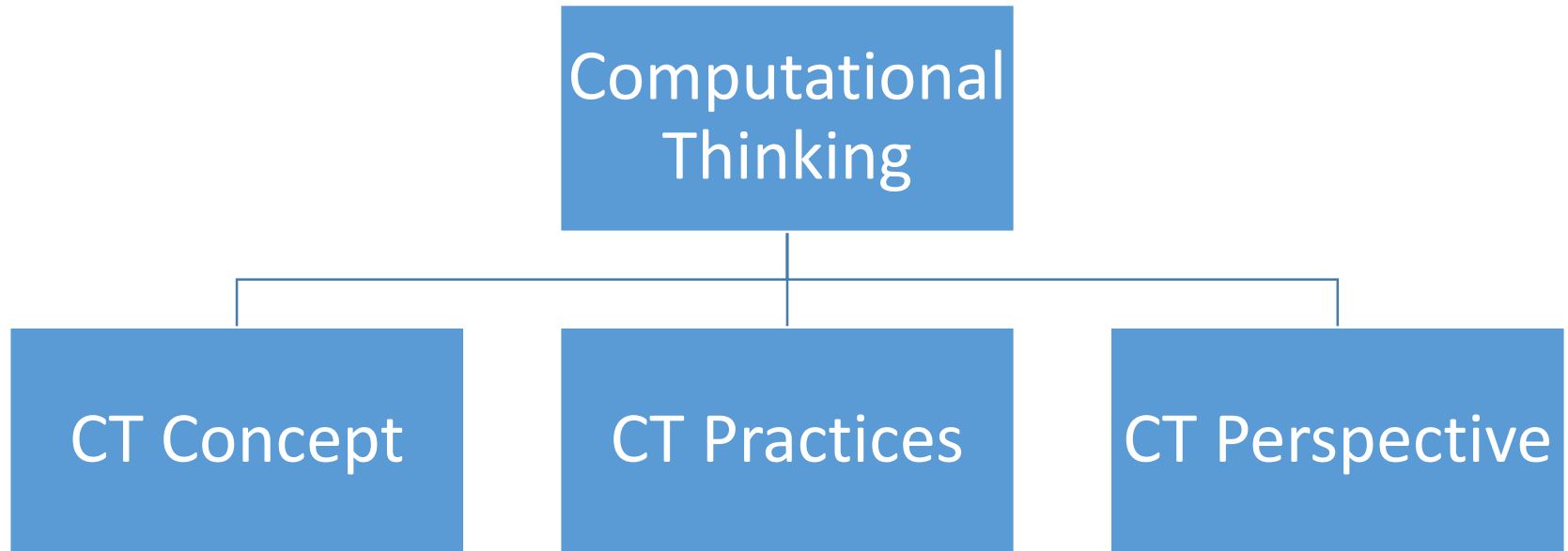
- 符合學生現在與未來的需要
- 提升學生解難及創新的能力
- 加強學習與現實生活的聯繫
- 提供技能促進學生創作及發明



甚麼是計算思維？學科？如何學習？



Computational Thinking概念



Computational Thinking Concept

- Sequences
- Events
- Repetition
- Conditional
- Parallelism
- Naming (variables)
- Operators
- Data structure

Computational Thinking Practice

- Reusing and remixing
- Being incremental and iterative
- Abstraction and modularizing
- Testing and debugging
- Algorithmic thinking

Computational Thinking Perspective

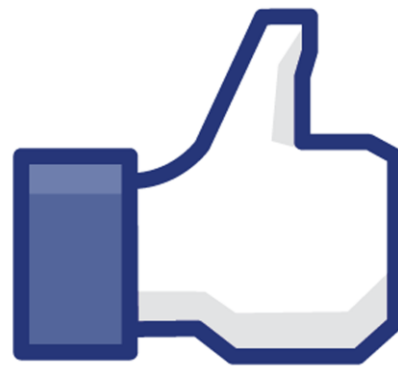
- Personal interests in coding
- Willingness to engage further in coding
- Confidence in coding
- Positive perception of coding
- Computational identity
- Digital empowerment

Whole School Approach



小結：

1. 成為一種學與教的習慣
2. 全校性推行
3. 貫通不同學科



校內計算思維課程

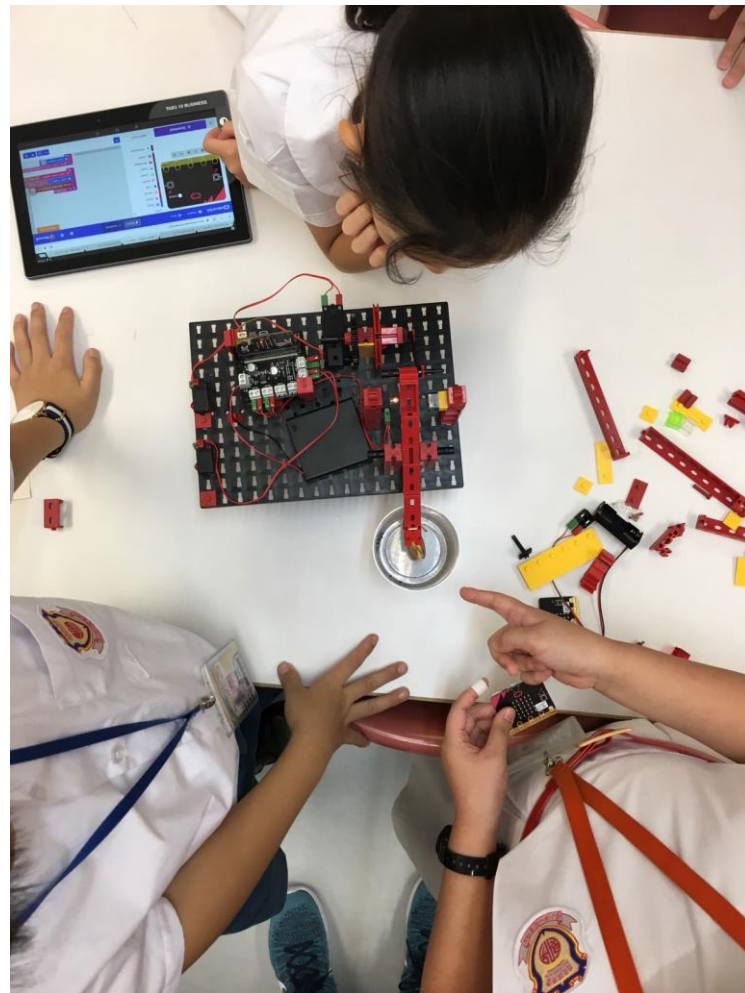
- 四至六年級每星期電腦課進行



實例分享一



配合其他組合配件，
引發創意！



實例分享二 (利用身邊物件組合)



實例分享三 (廢物利用)

實例分享四 (製作日常用品)



實例分享五 (智能家居)



計算思維教育- 造就明日科技創造者