

CODING LAB

Coding is a basic literacy needed to thrive in the future of work. MCE Coding Lab offers game design and development programmes through project-based approach that build on young learners' 21st century skills such as teamwork, communication, critical thinking and more.

Our well-designed curriculum is suitable for learners from as young as 6 years old that progresses them to advanced coding.

MCE Coding Lab is available in MCEduhub.

Benefits of Coding for the Next Generation of Learners



Build on their soft skills such as collaboration, communication and creativity



Adopt a hands-on approach using technology that allows self-directed learning and personalisation



Encourages creativity and better understanding in analysing the systems



Expose them to real life scenario and uses computational thinking to solve complex problems and make decisions



The user-centered philosophy of game design allows learners to gain different perspectives as they put themselves in someone else's shoes

Beginners to Advanced Coding

UBBU
Block-based
Coding



Python
for
Intermediate
Learner



Python
for
Advanced
Learner



EXPLORER

K to 6
Ages 6 to 12

Aligned to CSTA, STEAM focus

- ✓ Basic programming principles
- ✓ User-friendly interface
- ✓ Age-appropriate activities
- ✓ Reinforce learning with spaced repetition
- ✓ Multimodal learning

30 hours / level

THINKER

Grade 5 to 10
Ages 12 to 16

- ✓ Guided learning
- ✓ Suitable for blended learning
- ✓ Summative assessment to check understanding

20 hours / course

Optional

Pick Your Options



20 hours / course

CREATOR

Grade 10 to 12
Ages 12 to 17

- ✓ Learning-by-doing
- ✓ Gain deeper understanding of using Python to solve complex problems
- ✓ Practical exercises related to real-world situation

20 hours / level

Optional

Pick Your Options



3 hours / course

Find out more about
MCE's Applied Learning Programme



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