



Learning SW without a Computer

Code-Play Blocks

Code-Play Block Learning SW without a Computer

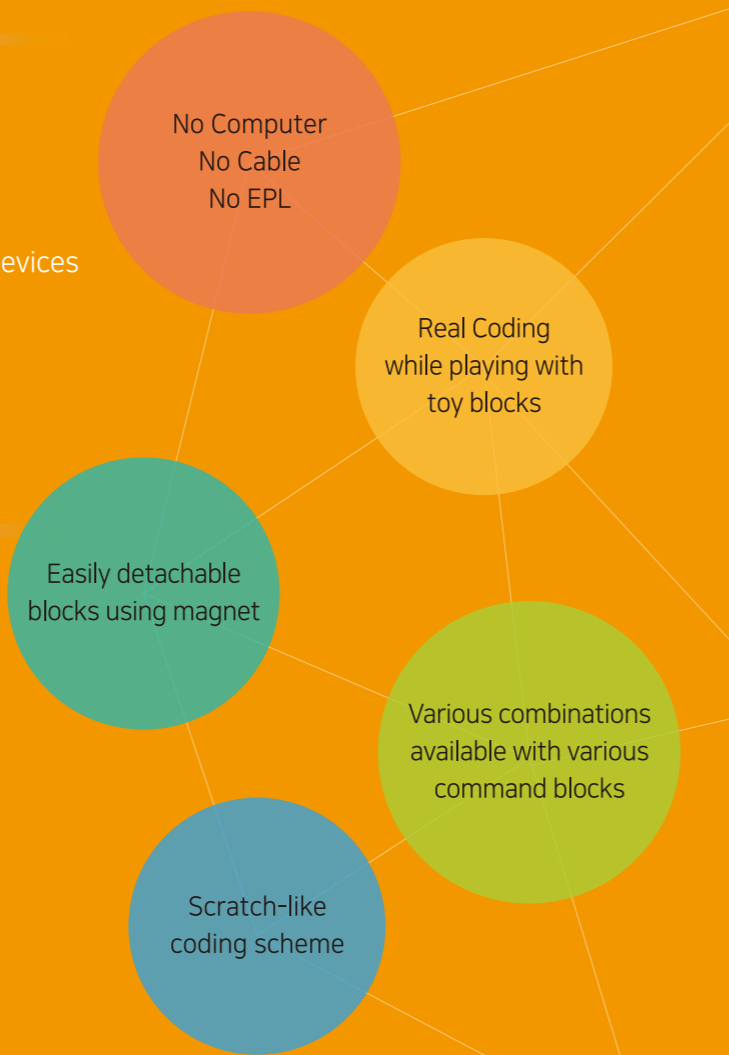


Why?

- Global Trends of SW Education
- Compulsory Curriculum for SW Education
- Lack of Computer labs for SW Education
- Concerns about early exposure to computing devices

Code-Play Block is?

- Coding, without a computer
- Self-Learning while playing
- Learn with five senses
- Create by your hands, check by your eyes immediately



* EPL : Educational Programming Language



How to use

- Code completion by combining blocks having specific instruction
- When you press the Execute button, the robot can execute the code and check the result immediately.

Simple assembly with easily detachable blocks



Key Benefits

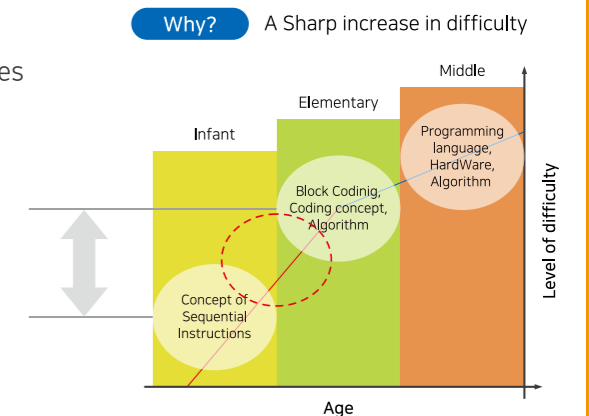
- No Computer, No Cable, No EPL
- Various combinations available with various command blocks
- Real Coding while playing with toy blocks
- Scratch-like coding is a natural way to learn scratch
- Easily detachable blocks using magnet

Specifications

- Processor : Coretex M4
- Bluetooth BLE
- 44.1Khz Sound
- Speaker
- 2 IR Sensor
- Light Sensor
- 3 RGB LED
- 1 Blue LED
- 2 Stepping Motor
- Battery : 1000mAh

Position

- Overcoming the limit of Scratch in early SW Education
- Fixed the lack of unplugged devices





Code-Play Blocks Standard package

- Components**
- Choco Robot
 - Brain block
 - Start, Function, Move 4
 - LED On, LED Off, Sound
 - Wait 2, Repeat, IF, Else
 - Dial block 2
 - Number block 6, Sensor block 3
 - Direction block 6, Fart block
 - Random block 2



Coding with Choco : Workbook

- Follow Choco, and your coding skills will go up~!



Code-Play Blocks Basic package - KidZania Kit

- Components**
- Choco Robot
 - Brain block
 - Start, Move 6
 - LED On, Sound
 - Dial block 1 (selectable)
 - Number block 3
 - Direction block 6, Fart block 1

Code-Play Blocks Standard package vs Basic package

Block	Standard package	Basic package
Choco Robot	⊙	⊙
Brain Block	⊙	⊙
Start	⊙	⊙
Function	⊙	
Move	⊙ (4)	⊙ (6)
LED On	⊙	⊙
LED Off	⊙	
Sound	⊙	⊙
Wait	⊙	
Else	⊙	
Repeat, IF, End	⊙	
Dial Block	⊙	(selectable)
Number Block	⊙	⊙
Sensor Block	⊙	
Direction Block	⊙	⊙
Fart Block	⊙	⊙
Random Block	⊙	

Standard package - Total 43 Blocks / 1 Robot
 Basic package - Total 22 Blocks / 1 Robot



Code-Play Blocks Physical Kit (Choco + Dongle + USB Cable)

- Components**
- Choco Robot
 - USB Dongle
 - USB Cable

★ Coding is possible by linking ChocoBlock PC version program and Choco.~!



Code-Play Blocks Experts package

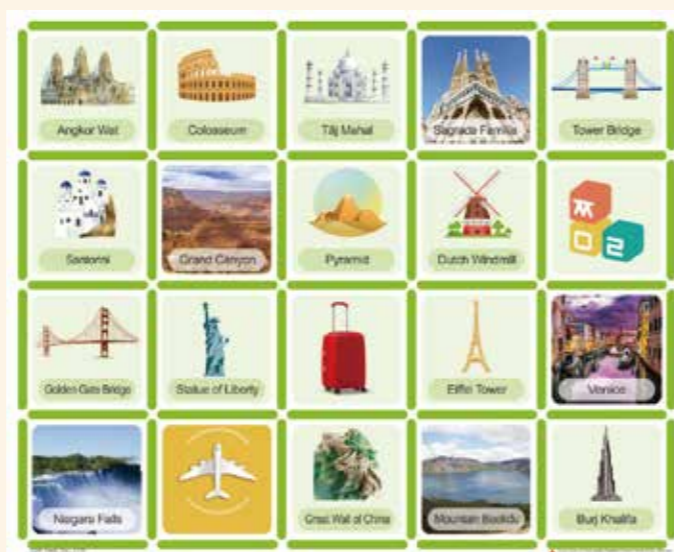
- Components**
- Display 2, Save 4
 - Variable block 6 (A, B)
 - Calculations (+ - × ÷)
 - Sign (== < >)
 - Dial block 2

★ Advanced coding package with added functions : variable operations, variable setting and utilization, and sensor calibration

Code-Play Blocks PET Play Map



Neighborhood



World Travel



Animals

- Components**
- size 788 * 635 (mm)
 - PET (Polyethylene terephthalate)
 - **You can play coding on the map board.**
 - PET material is easy to clean and reuse.
 - It is economical because it is a material that does not get wet, so children can use it without damaging the board even by accidentally running water or juice.