ADVANCED CUBROID 1
CODING HARU

SCRATCH CUBROID 1
CODING HARU

ANIMATION
SCRATCH CUBROID 1
CODING HARU

cubroid

Coding Activity Book Series

CODING
CUBROID 1
CODING HARU

CODING HARU's
Cubroid Series

Lv.1
CODING CUBROID

Lv.2
ADVANCED CUBROID

Lv.3
SCRATCH with CUBROID
(GAMES/ANIMATION)

Lv.4
ARTIBO AI
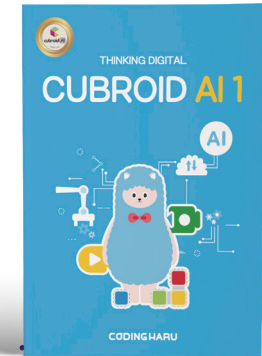
Lv.5
CUBROID AI

CODING HARU
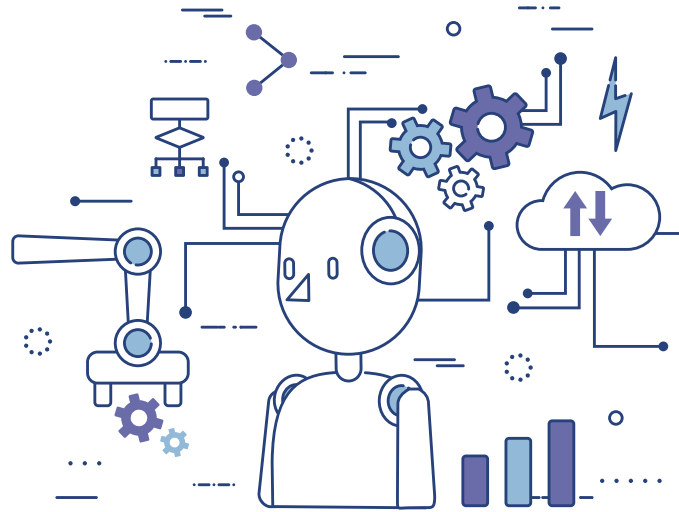
cubroid

Coding with Cubroid Series

Coding Cubroid 1~3

CODING HARU's Cubroid Series
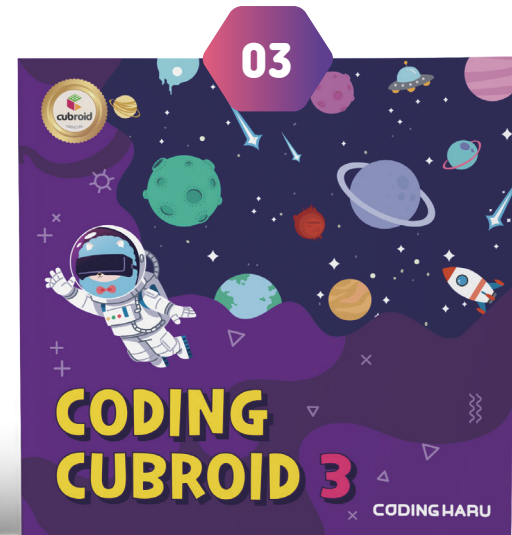
Books 3   **Age** 3+

Requirements   x1 CUBROID per student   x1 smart device per student

CODING
CUBROID 1

Learn the four basic Cubroid code blocks
in a fun context!

. . . .

Details for Coding Cubroid 1

Learn to use the DC Motor Block
and the Sound Block at the Amusement Park.

Mobile App : Coding Cubroid 2
Theme : Amusement Park

cubroid

CODING CUBROID 2 CODING HARU

CODING CUBROID 3 CODING HARU

CODING CUBROID 1 CODING HARU

Coding Cubroid 1

CODING HARU's Cubroid Series

Pirate Ship Ride

STAGE 1

• DC Motor Block

Build and code your own Pirate Ship Ride using the DC Motor Block.

Bumper Cars

STAGE 2

• DC Motor Block Pair

Build and code your own Bumper Car using the DC Motor Block Pair.

Merry-Go-Round

STAGE 9

• DC Motor Block
• Sound Block

Build and code your own Merry-Go-Round using the DC Motor Block and the Sound Block.

Roller Coaster!

STAGE 2

• DC Motor Block Pair
• Sound Block

Build and code your own Roller Coaster using the DC Motor Block Pair and the Sound Block.

CODING
CUBROID 2

Learn the four basic Cubroid code blocks in a fun context!

. . . .

Details for Coding Cubroid 2

Learn to use the Master Block at the Haunted House.

Mobile App :	Coding Cubroid 2
Theme :	The Haunted House

cubroid

CODING CUBROID 3

CODING CUBROID 1

CODING CUBROID 2

CODING HARU

Coding Cubroid 2

CODING HARU's Cubroid Series

The Cursed Chandelier

STAGE 7

- Master Block

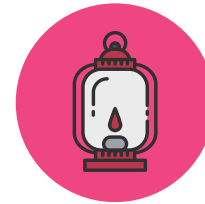Build and code your own Cursed Chandelier using the Master Block.

The Lonely Ghost

STAGE 10

- Master Block
- DC Motor Block

Build and code your own Lonely Ghost using the Master Block and the DC Motor Block.

The Possessed Lamp

STAGE 3

- Master Block
- DC Motor Block Pair

Build and code your own Possessed Lamp using the Master Block and the DC Motor Block Pair.

The Spooky Tree

STAGE 9

- Master Block
- Sound Block
- DC Motor Block

Build and code your own Spooky Tree using the Master Block, the Sound Block and the DC Motor Block.

CODING
CUBROID 3

Learn the four basic Cubroid code blocks in a fun context!

Details for Coding Cubroid 3

Learn to use the LED Block in Outer Space.

Mobile App : Coding Cubroid 2
Theme : Outer Space

cubroid

CODING CUBROID 1

CODING CUBROID 2

CODING CUBROID 3

CODING HARU

Coding Cubroid 3

CODING HARU's Cubroid Series

Put On Your Spacesuit

STAGE 3

- LED Block

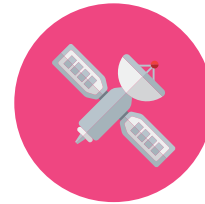Build and code your own Astronaut using the LED Block.

Lift Off!

STAGE 5

- LED Block
- Master Block

Build and code your own Spaceship using the LED Block and the Master Block.

Space Station

STAGE 8

- LED Block
- Master Block
- DC Motor Block

Build and code your own Space Station using the LED Block, the Master Block and the DC Motor Block.

First Contact

STAGE 10

- Sound Block
- LED Block
- DC Motor Block Pair

Build and code your own First Contact using the Sound Block, the LED Block and the DC Motor Block Pair.

Advanced Cubroid 1~4

CODING HARU's Cubroid Series

ADVANCED CUBROID 1
CODING HARU

ADVANCED CUBROID 2
CODING HARU

ADVANCED CUBROID 3
CODING HARU

ADVANCED CUBROID 4
CODING HARU

Books 4   **Age** 5+

Requirements   x1 CUBROID per student   x1 smart device per student

ADVANCED
CUBROID 1

Learn about Cubroid blocks
and the basics of coding!

Details for Advanced Cubroid 1

Use basic coding concepts and Cubroid blocks
to express various vehicles.

Mobile App : Advanced Cubroid
Theme : Cubroid and Transportation

cubroid

ADVANCED
CUBROID 1

CODING HARU

Advanced Cubroid 1

CODING HARU's Cubroid Series

Dashing Through the Snow

Required Smart Blocks

- DC Motor Block

Focused On

The DC Motor Block

Use coding lessons and missions to become comfortable with the DC Motor Block.

Popo on a Bike

Required Smart Blocks

- DC Motor Block
- Proximity Sensor Block

Focused On

The Proximity Sensor Block

Use coding lessons and missions to learn about the Proximity Sensor Block.

Under the Sea

Required Smart Blocks

- Master Block
- Light/Touch Sensor Block

Focused On

The Light/Touch Sensor Block

Use coding lessons and missions to learn about the Light/Touch Sensor Block.

Team Project :
Cubroid and Transportation

Required Smart Blocks

Free to use any of the smart blocks introduced in the previous lessons.

Focused On

Creativity and Teamwork

Use a team project to help students review the fundamentals and express their creativity.

ADVANCED
CUBROID 2

Learn about Cubroid blocks
and the basics of coding!

Details for Advanced Cubroid 2

Use basic coding concepts and Cubroid blocks
to express things in nature.

Mobile App : Advanced Cubroid
Theme : Cubroid and Nature

cubroid

ADVANCED
CUBROID 2

CODING HARU

Advanced Cubroid 2

CODING HARU's Cubroid Series

The Hare and the Tortoise

Required Smart Blocks

• DC Motor Block

Focused On

The DC Motor Block

Use coding lessons and missions to learn about the loop statement.

Flower and Bee

Required Smart Blocks

• Proximity Sensor Block
• LED Block

Focused On

The Proximity Sensor Block

Use coding lessons and missions to learn about the if statement.
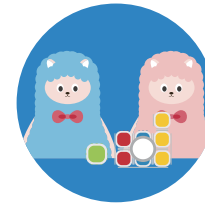
The Dragonfly and the Branch

Required Smart Blocks

• Master Block
• Light/Touch Sensor Block

Focused On

The Light/Touch Sensor Block

Use coding lessons and missions to become comfortable with the Light/Touch Sensor Block.

Team Project : Cubroid and Nature

Required Smart Blocks

Free to use any of the smart blocks introduced in the previous lessons.

Focused On

Creativity and Teamwork

Use a team project to help students review the fundamentals and express their creativity.

ADVANCED
CUBROID 3

Learn about Cubroid blocks
and the basics of coding!

Details for Advanced Cubroid 3

Use basic coding concepts and Cubroid blocks
to express things around you.

Mobile App : Advanced Cubroid
Theme : Cubroid and the Things Around You

cubroid

ADVANCED
CUBROID 3

CODING HARU

Advanced Cubroid 3

CODING HARU's Cubroid Series

Build a Robot

Required Smart Blocks

- DC Motor Block
- Master Block
- LED Block

Focused On

The DC Motor Block

Use coding lessons and missions to learn about robots.

Build a Camera

Required Smart Blocks

- Light/Touch Sensor Block
- Master Block

Focused On

The Light/Touch Sensor Block

Use coding lessons and missions to become comfortable with the Light/Touch Sensor Block.

Build a Smart Guitar

Required Smart Blocks

- Proximity Sensor Block
- Sound Block

Focused On

The Proximity Sensor Block

Use coding lessons and missions to become comfortable with the Proximity Sensor Block.

Individual Project :
Build your own Electric Fan

Required Smart Blocks

Free to use any of the smart blocks introduced in the previous lessons.

Focused On

Individual Creativity

Have students review the fundamentals and express individual creativity.

ADVANCED
CUBROID 4

Learn about Cubroid blocks
and the basics of coding!

Details for Advanced Cubroid 4

Use basic coding concepts and Cubroid blocks
to express a city.

Mobile App : Advanced Cubroid
Theme : Cubroid and the City

cubroid

ADVANCED
CUBROID 4

CODING HARU

Advanced Cubroid 4

CODING HARU's Cubroid Series

Traffic Light

Required Smart Blocks

- Master Block
- LED Block

Focused On

The LED Block

Use coding lessons and missions to learn about the sequential statement.

Boom Gate

Required Smart Blocks

- DC Motor Block
- Proximity Sensor Block

Focused On

The DC Motor Block

Use coding lessons and missions to learn about the if statement.

Shopping Cart

Required Smart Blocks

- Proximity Sensor Block
- Sound Block

Focused On

The Proximity Sensor Block

Use coding lessons and missions to learn about the trigger.

Individual Project : Build your own City

Required Smart Blocks

Free to use any of the smart blocks introduced in the previous lessons.

Focused On

Individual Creativity

Have students review the fundamentals and express individual creativity.

Scratch with Cubroid [GAMES] 1~2

CODING HARU's Cubroid Series

01

GAMES
SCRATCH
CUBROID 1
CODING HARU

02

GAMES
SCRATCH
CUBROID 2
CODING HARU

Books 2   **Age** 8+

Requirements x1 CUBROID per student   x1 PC per student

Scratch with Cubroid [GAMES] 1

Make your code touch the real world
with Cubroid and Scratch!

....

Details for Scratch with Cubroid (Games) 1

Learn to use Scratch and Cubroid blocks
to build a game.

Program	:	Scratch 2.0 (PC)
Theme	:	Games

Scratch with Cubroid [GAMES] 1

CODING HARU's Cubroid Series

Move the Cat

Required Smart Blocks

- DC Motor Block

Focused On

The interaction between Scratch and the DC Motor Block

1. Use coding lessons and missions to build an interactive game with Scratch and the DC Motor Block.
2. Introducing AI 1.

Dodge!

Required Smart Blocks

- Light/Touch Sensor Block

Focused On

The interaction between Scratch and the Light/Touch Sensor Block

1. Use coding lessons and missionsto learn about variables in coding and build an interactive game with Scratch and the Light/Touch Sensor Block.
2. Introducing AI 2.

Individual Project : Build Your Own Cubroid Game

Required Smart Blocks

Free to use any of the smart blocks introduced in the previous lessons.

Focused On

Individual creativity in an interactive environment

Have students review the fundamentals and express individual creativity.

Scratch with Cubroid [GAMES] 2

Make your code touch the real world
with Cubroid and Scratch!

Details for Scratch with Cubroid (Games) 2

Learn to use Scratch and Cubroid blocks
to build a game.

Program :	Scratch 2.0 (PC)
Theme :	Games

cubroid

Scratch with Cubroid [GAMES] 2

CODING HARU's Cubroid Series

Catch!

Required Smart Blocks

- Light/Touch Sensor Block

Focused On

The interaction between Scratch and the Light/Touch Sensor Block

Use coding lessons and missions to become comfortable with variables and the Light/Touch Sensor Block.

Break Out

Required Smart Blocks

- Proximity Sensor Block

Focused On

The interaction between Scratch and the Proximity Sensor Block

Use coding lessons and missions to learn about functions and build an interactive game with Scratch and the Proximity Sensor Block.

Individual Project :
Build Your Own Cubroid Game

Required Smart Blocks

Free to use any of the smart blocks introduced in the previous lessons.

Focused On

Individual creativity in an interactive environment

Have students review the fundamentals and express individual creativity.

Scratch with Cubroid [Animation] 1~2

CODING HARU's Cubroid Series

01

SCHOOL BUS

ANIMATION
SCRATCH
CUBROID 1

CODING HARU

02

SCHOOL BUS

ANIMATION
SCRATCH
CUBROID 2

CODING HARU

Books 2   **Age** 8+

Requirements x1 CUBROID per student   x1 PC per student

Scratch with Cubroid
[Animation] 1

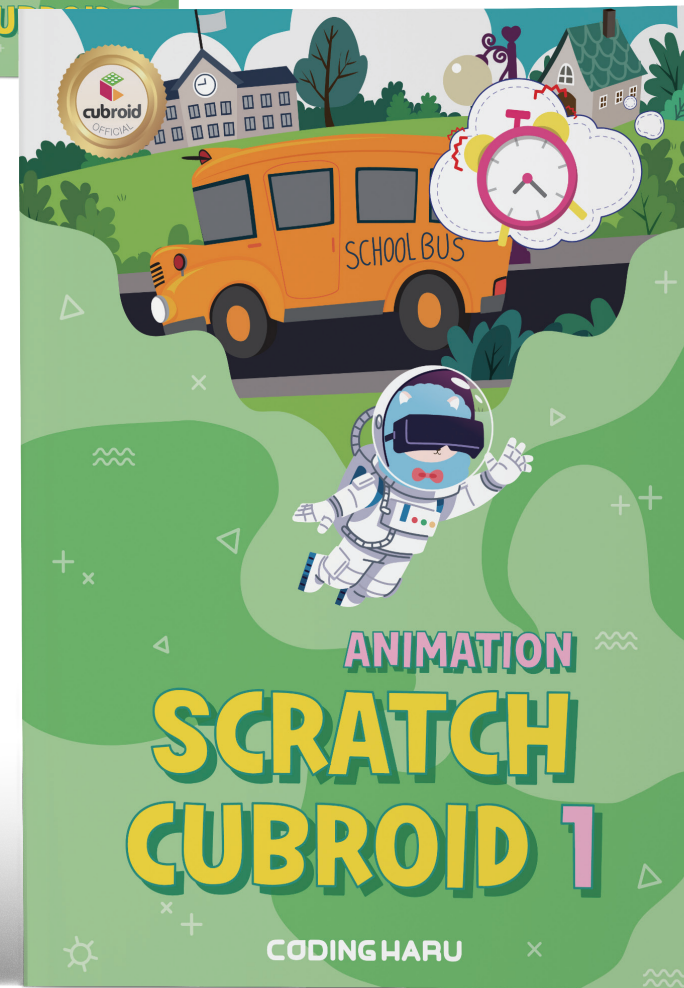Make your code touch the real world
with Cubroid and Scratch!

Details for Scratch with Cubroid (Animation) 1

Learn to use Scratch and Cubroid blocks
to create an interactive animation of
you getting ready for school.

Program : Scratch 2.0 (PC)
Theme : Animation

cubroid

ANIMATION
SCRATCH
CUBROID 1

CODING HARU

Scratch with Cubroid [Animation] 1

CODING HARU's Cubroid Series

Connect Your Cubroid

Required Smart Blocks

- Master Block

Focused On

Connecting your Cubroid to Scratch

Code Block Dictionary 1

Required Smart Blocks

- DC Motor Block
- LED Block
- Sound Block

Focused On

Learning about the various Cubroid code blocks in Scratch.

Code Block Dictionary 2

Required Smart Blocks

- Proximity Sensor Block
- Light/Touch Sensor Block

Focused On

Learning about the various Cubroid code blocks in Scratch.

Individual Project :
Animate Your Alarm Clock

Required Smart Blocks

Free to use any of the smart blocks introduced in the previous lessons.

Focused On

Have students use Scratch and Cubroid to create an animation with an interactive alarm clock to express their morning getting ready for school.

Scratch with Cubroid [Animation] 2

Make your code touch the real world
with Cubroid and Scratch!

....

Details for Scratch with Cubroid (Animation) 2

Learn to use Scratch and Cubroid blocks
to create an interactive animation of
you returning from school.

Program : Scratch 2.0 (PC)
Theme : Animation

cubroid

Scratch with Cubroid [Animation] 2

CODING HARU's Cubroid Series

School Bus Ride Home

Required Smart Blocks

- Proximity Sensor Block
- DC Motor Block

Focused On

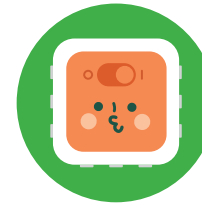Animating a school bus ride home using Scratch and Cubroid blocks.

Street Light

Required Smart Blocks

- LED Block
- Proximity Sensor Block
- Light/Touch Sensor Block

Focused On

Animating a street light using Scratch and Cubroid blocks.

Individual Project : Create Your Own Animation

Required Smart Blocks

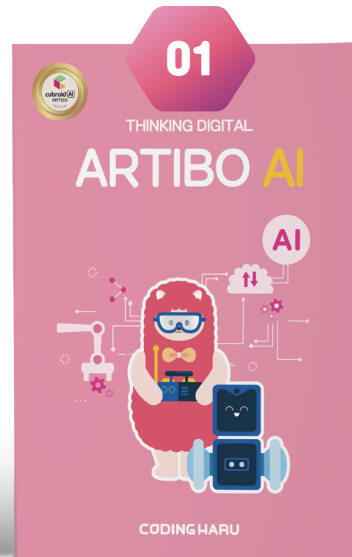Free to use any of the smart blocks introduced in the previous lessons.

Focused On

Using Scratch and Cubroid blocks to create an interactive animation.

Artibo AI

CODING HARU's Cubroid Series

01

cubroid AI ARTIBO

THINKING DIGITAL

ARTIBO AI

AI

CODING HARU

Books 1   **Age** 9+

Requirements x1 ARTIBO per student (for ARTIBO AI)   x1 PC per student

Cubroid AI

CODING HARU's Cubroid Series

01

THINKING DIGITAL

CUBROID AI 1

AI

CODING HARU

02

THINKING DIGITAL

CUBROID AI 2

AI

CODING HARU

Books 2 **Age** 9+

Requirements x1 CUBROID per student (for CUBROID AI) x1 PC per student

cubroid

CUBROID
Coding
Activity
Book
Series