



# cubroid



Smart Wireless Coding Blocks &  
AI Robots for STEAM Education



**STEAM** Science,  
Technology,  
Engineering,  
Art, Mathematics



## What is Cubroid?

Cubroid is an AI and Robotics company that designs and manufactures smart AI robots and coding blocks for children. We believe coding is an essential skill that needs to be nurtured in the developmental stages of a child.

Our products are specially designed to introduce children from age 5 and above to the concept of coding, engineering and artificial intelligence.

We have made coding easily accessible by developing simple and easy-to-use coding platforms and apps for smartphones, tablets, and PCs (Scratch & Python).





Cubroid aims to provide the easiest computing and robotics education through STEAM. We hope that children all over the world will enjoy assembling, coding and playing with robots through the use of our products and services.



Our vision is to lead the growth of STEAM education in all educational institutions and homes around the world.



#### The Inspiration & Motivation

The CEO of Cubroid, Mark, with his strong passion and background in Educational Technology, Robotics, AI, and Future Education has developed over 100 apps for early childhood education.

The idea of Cubroid came as Mark wanted to create an easy to assemble & code square shaped robots using the concept of Arduino but in a shape of a box (cube) as a gift for his 3 daughters so they can learn not only how to assemble and code robots but also see their imaginations come to life. Cubroid was then founded in 2015 with the name coined from Cube and Droid.



## Why Cubroid?



### WIRELESS

A set of coding blocks without any visible wires or connecting pins



### SMART DEVICE CODING

Code and control your robot creations with smart devices.



### STEAM EDUCATION

Develop problem-solving skills, logical reasoning, collaboration, and creativity skills through science, technology, engineering, mathematics, and the arts.



### LEGO®

Compatible with LEGO®s for creative purposes, so children can innovate without restrictions.



### PHYSICAL COMPUTING

A creative framework to understand the relationship between software and hardware



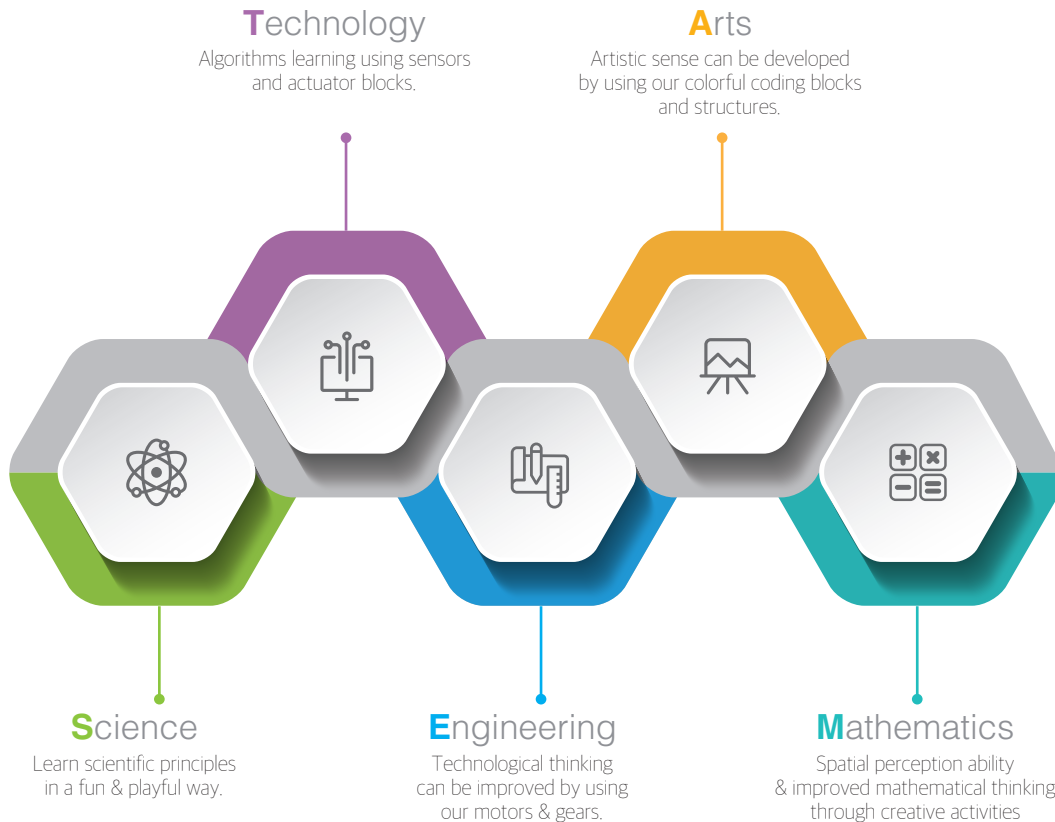
### STEP-BY-STEP CODING EDUCATION

Variety of coding platforms coupled with teaching & learning materials for different age groups that foster the ability to build transferable skills as one advance.





Cubroid's product and services provide the opportunity for children to improve their knowledge in science, develop their collaboration, critical thinking, and logical reasoning skills; and as well as enhance their creativity, etc., as this is what STEAM stands for!



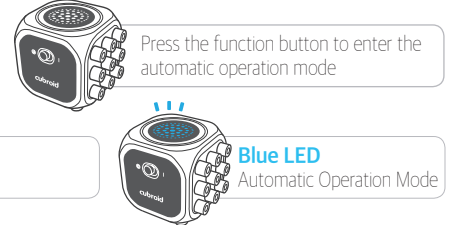
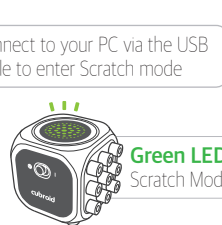
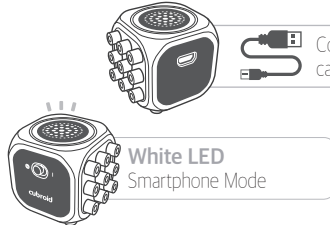




# Cubroid Block Introduction

## 1 Master Block

Be expressive and code with a variety of colors.  
Link Cubroid with Scratch by connecting the Master block to the computer



## 2 DC Motor Block



Rotates in 360 degrees

## 3 LED Block



Showcase many different illustrations with 64 LED dots

## 4 Sound Block



Emits various sounds

## 5 Proximity Sensor Block

Object detection within a 4~5cm range



Detects the proximity of approaching objects

## 6 Light & Touch Sensor Block

Light sensor and touch button



Detects light  
Detects when a button is pressed

## Premium Kit Components



Master Block



LED Block



DC Motor Block ×2



Sound Block



Proximity Sensor Block



Light & Touch Sensor Block



Building Block (Pyramid) ×6



Building Block (Cube) ×30



Connector Block ×50



Wheel ×2



Sub-wheel Block ×2



One-sided Connector Block ×6



USB Cable



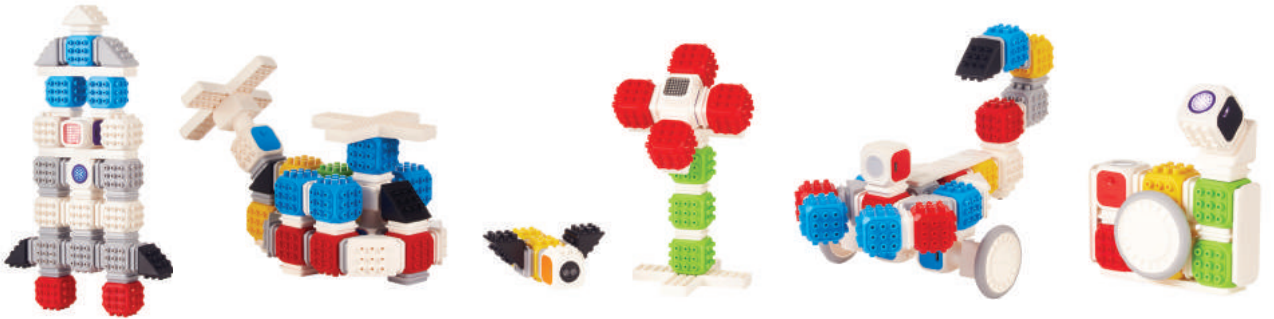
Double-sided Connector Block ×8





## Cuboid Robotic Modules

Assemble 397+ Robots with just 111 pieces









## Cubroid Coding Platforms

### LEVEL 1



#### Coding Cubroid 2

Phone Coding for 5 - 7 years

- Control your assembled robot with our controller app (go! Cubroid) without have to code



- Learn to code with our specially designed intuitive mobile phone app (Coding Cubroid 2) by just dragging-and-dropping & aligning images.



### LEVEL 2



#### Advanced Cubroid

Tablet Coding for 8 - 10 years

Using the Advanced Coding app, you can code various motions and sensor values according to the function of each coding block. Learn to use programming principles, constructs, controls, triggers and conditions



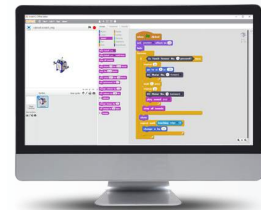
### LEVEL 3



#### Scratch Coding

PC Coding for 10+ years

Take your programming skills to the next level by using our Scratch Coding Platform. Scratch Mode is recommended for advanced users who want to hone their coding skills, create a much more exciting robot and see their wildest imaginations come to life!





A set of 24-story play maps for homeschooling and 48 week set of workbooks for a 2 year academic curriculum and teaching guides for schools.

These contents have been designed with interesting stories and professionally recorded music that kids love. They also cover our Scratch, Tablet and Phone Coding apps in a step-by-step manner as you learn to assemble and code our robots.



Our free online education platform has been carefully developed with rich and exciting contents in the form of missions that are practical and intuitive. With this platform, children can learn how to assemble & code robots in an easy, fun and interactive way.

Visit our educational platform at:

<https://education.cubroid.com>





# ARTIBO Your Codable AI Robot



## ARTIBO Functions

### Image Recognition

Capture digital images, compare faces, identify texts, verify & identify people and celebrities with the use of Artibo's camera.



### Voice Recognition

With a simple line of codes, you can program Artibo to perform various actions using voice recording.





## Coding Education

8 to 12 years

### Scratch Block

(Simplified Computational Coding)

Artibo's block coding platform has similar features with Scratch. It is intuitive and easy for everyone to code using the drag-and-drop block system function.



LEVEL  
1

13 years and older

### Python

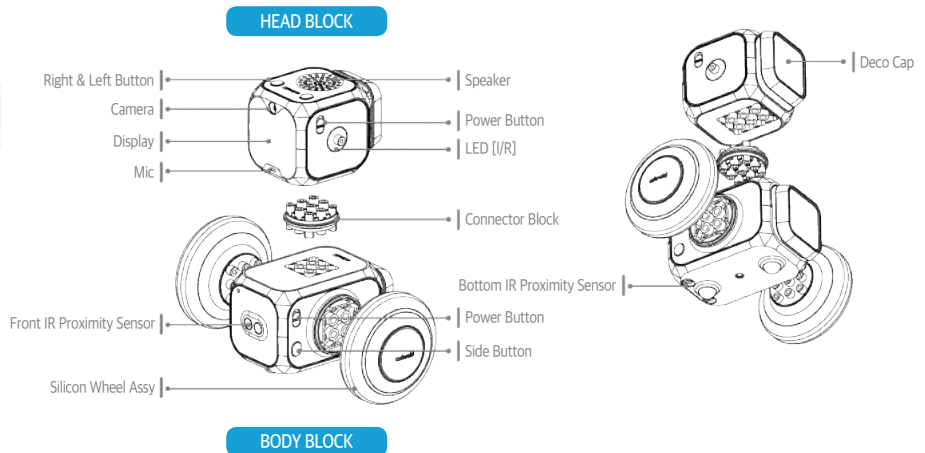
(Text Coding)

Python coding just got fun with Artibo! Python programming with Artibo is available for advanced youngsters who want to take their programming skills to the next level



LEVEL  
2

## Specifications







# Cubroid Global Activities

## Exhibitions



## Awards



## Certifications



**As of 2019, Cubroid is present  
in 36+ countries and 10,000+ schools.**



# Join Us!

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Imagine >>

Make >>

Code >>

Play >>



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