

CUBROID

iPad

TABLET CODING



Advanced
coding

What You Need



Cubroid Coding Blocks



iPad/Android Tablet



Advanced Coding App
(Download from [Google Play Store](#) / [App Store](#))

App Interface Introduction

Exit Button



• MY PROJECT •



1. Group Numbering

3. App Guide

2. Link Button



4. New Project



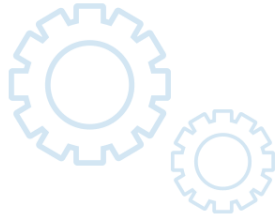
1. Group Numbering



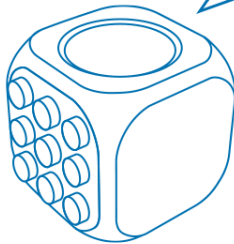
• BLOCK ENTER NUMBER •

Enter your Group Number in the text box below

PS: Default value is **0**

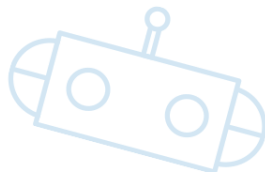


No.



Create a group number

Click here to set the Group Number





2. Link Button

DC MOTOR 1 DC MOTOR 2 LED SOUND

MASTER PROXIMITY SENSOR LIGHT & TOUCH SENSOR

OK

The inactive icons indicate that the blocks are not connected. So, **Turn on your coding blocks & connect them!**

These active icons indicate that your coding blocks have been successfully connected!



DC MOTOR 1



DC MOTOR 2



LED



SOUND



MASTER



PROXIMITY SENSOR



LIGHT & TOUCH SENSOR



Click 'OK' to go back to the homepage!



3. App Guide

About Cubroid

Cubroid is wireless modular robotics without any visible lines or connecting pins.

Anyone can use easily and safely.

By making various shape and programming, Kids can learn STEM.

LEGO®-compatible blocks provide new experience that associates having fun with learning in the form of programming.

A source of confidence and a sense of accomplishment for young ones when they successfully build and operate their own robots.

We hope children will learn programming a fun and easy way with Cubroid. To help children learn programming easily, we provide institutive application and LEGO®-compatible blocks which is easy to assemble.

We are looking for learning to play in the play with the cubroid to play and play like a toy. Cubroid provides new innovation that associates having fun with learning in the form of programming.



About Cubroid Blocks



Master Block

The control block for the sensor and actuator blocks



DC Motor Block

Block with 360 degree rotation

! Forcefully turning the motor-head can cause issues.

8x8 Dot Matrix LED Display



LED

With 64 LED dots in total you can showcase many different illustrations



Sound Block

Block that can emit various sounds

Object detection function within 5-10cm



Proximity sensor block

A block that detects the proximity of approaching objects

Light detection sensor Touch button



Light & Touch sensor block

A block that detect the level of light it is exposed to
A block that detects when the button is pressed



About Cubroid



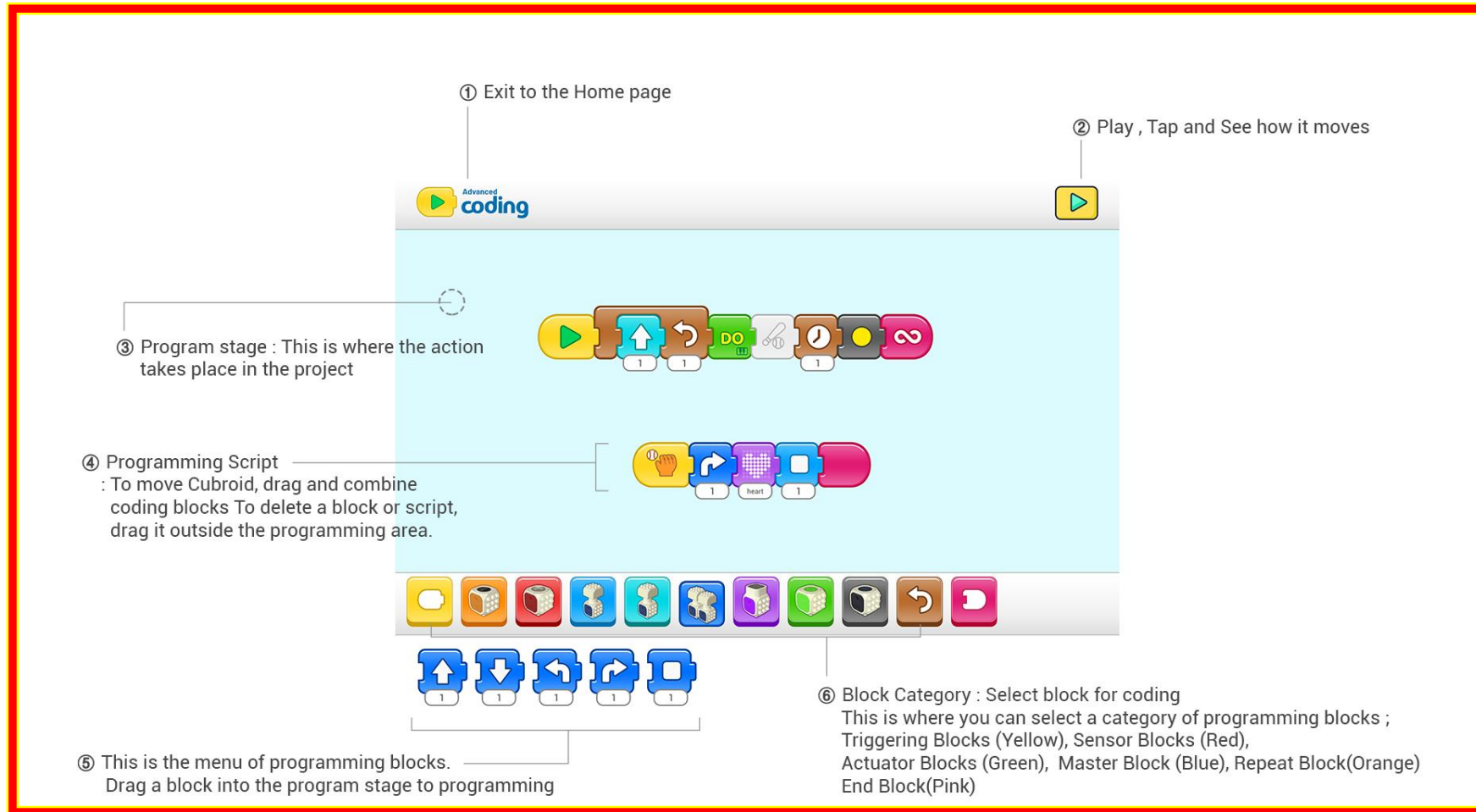
About Cubroid Blocks



Interface Guide



Blocks Guide



① Exit to the Home page

② Play, Tap and See how it moves

③ Program stage : This is where the action takes place in the project

④ Programming Script : To move Cubroid, drag and combine coding blocks To delete a block or script, drag it outside the programming area.

⑤ This is the menu of programming blocks. Drag a block into the program stage to programming

⑥ Block Category : Select block for coding
This is where you can select a category of programming blocks ;
Triggering Blocks (Yellow), Sensor Blocks (Red),
Actuator Blocks (Green), Master Block (Blue), Repeat Block(Orange)
End Block(Pink)

Blocks Guide

Triggering blocks



Starts the script when the Green Flag is tapped



Starts the script whenever a message of the specified color is sent

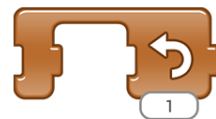


Sends a message of the specified color.

Control blocks



Pauses the script for a specified amount of time (1~99 seconds)



Runs the blocks inside a specified number of times.

End blocks



Indicates the end of the script



Runs the script over and over



About Cubroid



About Cubroid Blocks



Interface Guide



Blocks Guide

Sensor blocks



block detects obstacle in-front / block detects nothing.



block detect less amount of light / block detect light



touch sensor is pressed / touch sensor is unpressed.

Function of motions



Moves the character a specified number of grid squares to forward.
-3 seconds for 1



Moves the character a specified number of grid squares backward.
-3 seconds for 1



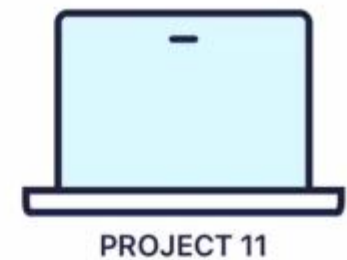
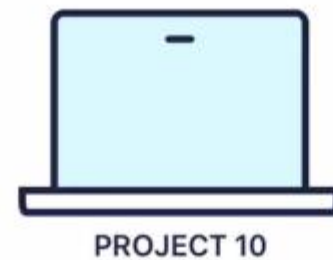
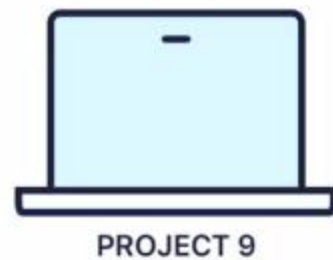
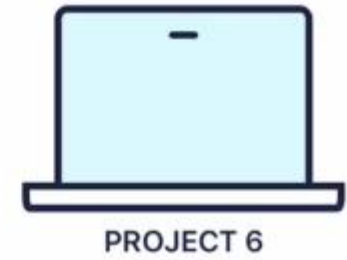
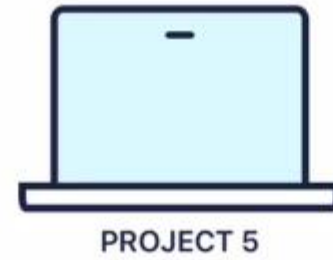
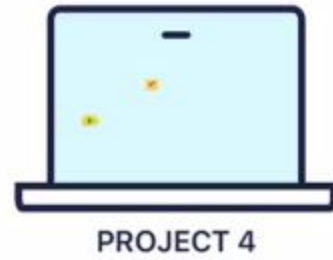
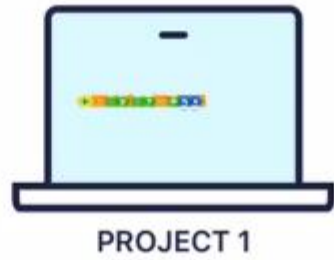
Stop the script for a specified number of grid squares
-3 seconds for 1



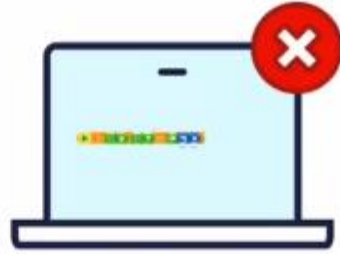
Moves the character a specified number of grid squares to the left



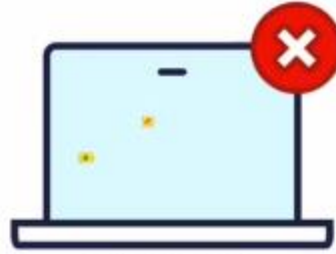
4. New Project



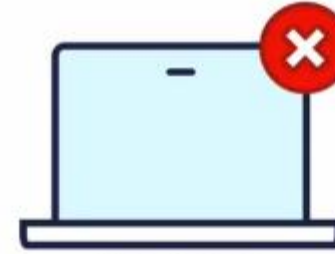
Click here to **start** a New Project



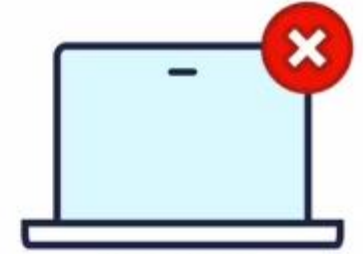
PROJECT 1



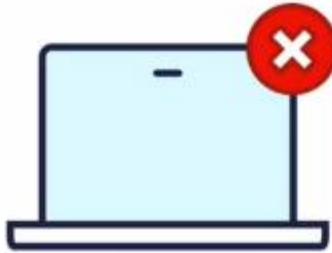
PROJECT 4



PROJECT 5



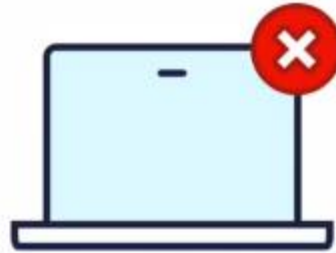
PROJECT 6



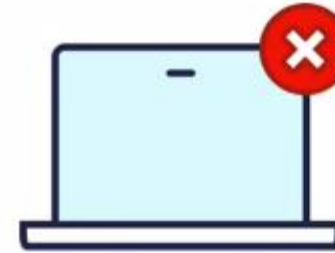
PROJECT 7



PROJECT 8



PROJECT 9



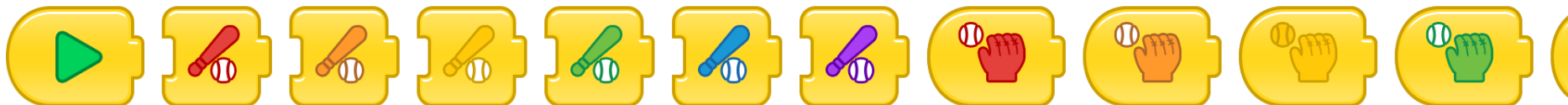
PROJECT 10

Click to **delete** already existing projects



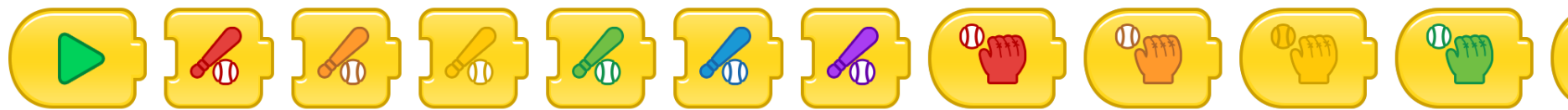
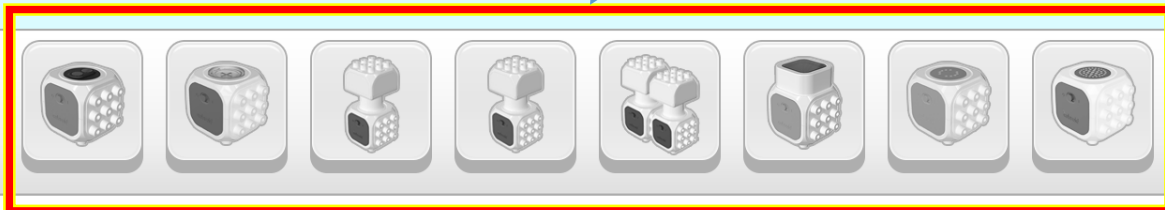
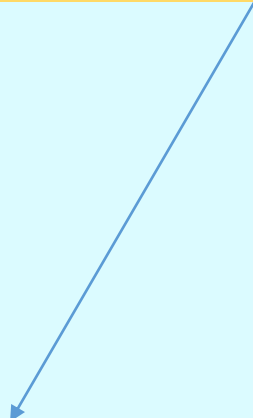
If all the icons in the console are **active**, it means that the coding blocks have been connected!

You are ready to start coding!





But if they are **greyed out**, it means your blocks haven't been linked to the app!
So, go back and connect them again to begin coding!



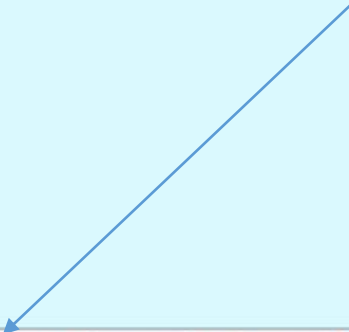


Triggering Blocks



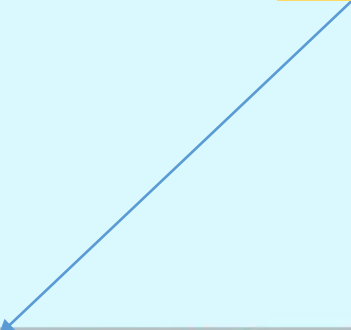


Proximity Sensor Block





Light & Touch Sensor Block





1st DC Motor Block





2nd DC Motor Block



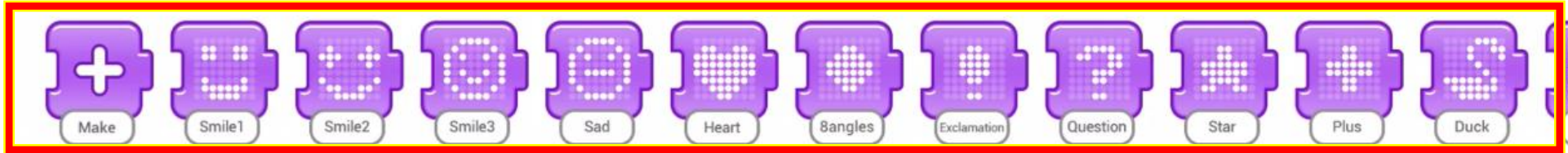


2 DC Motor Block



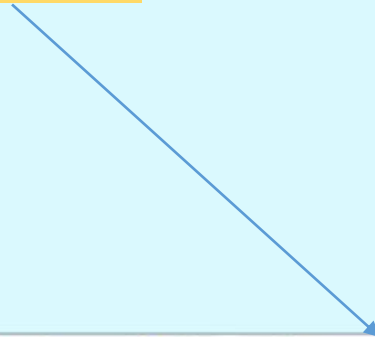


LED Block



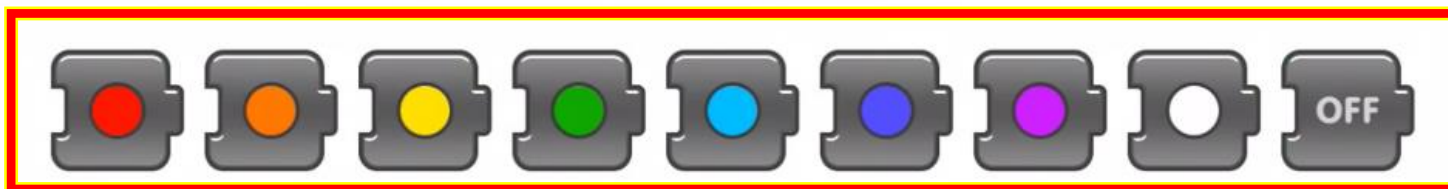


Sound Block





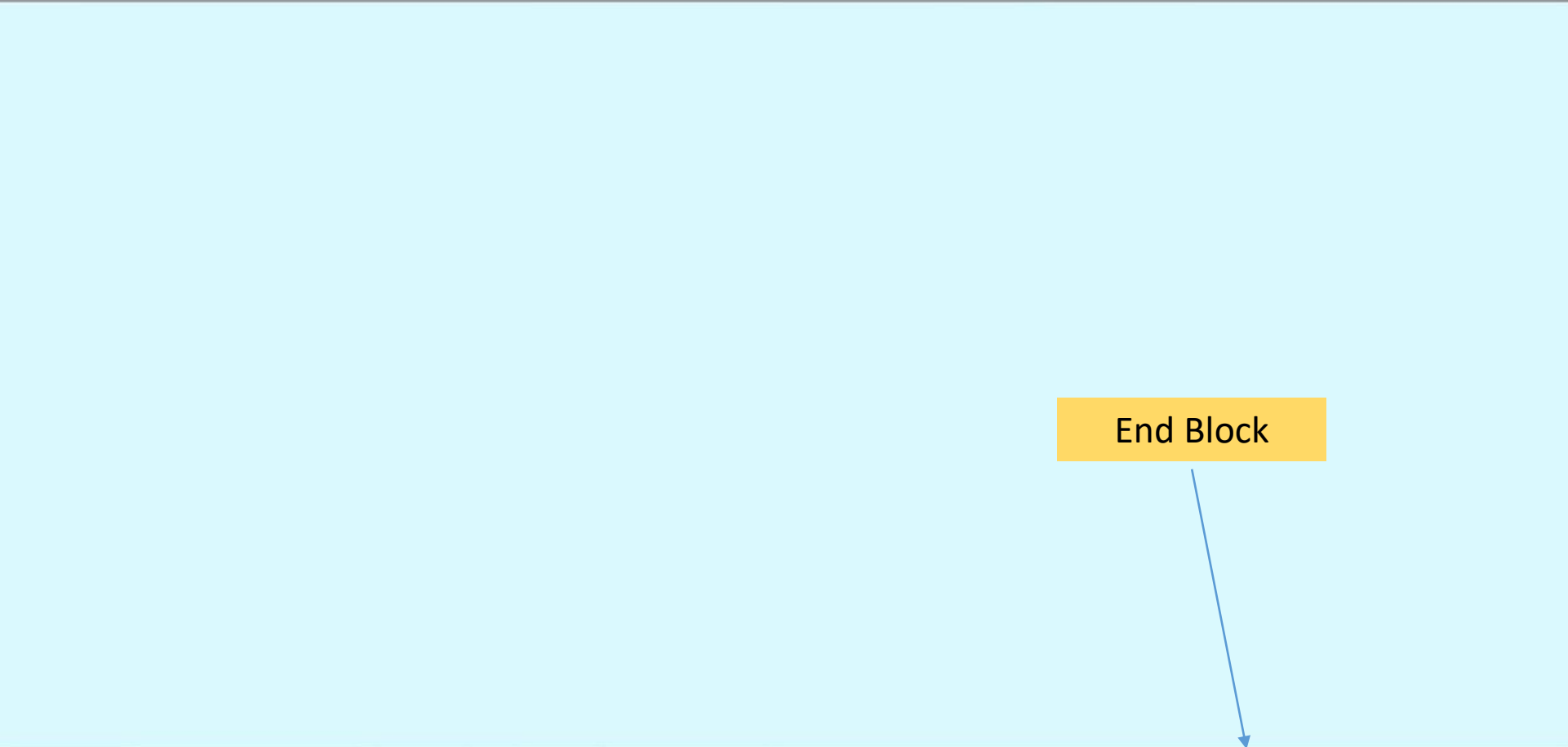
Master Block





Control Block





End Block



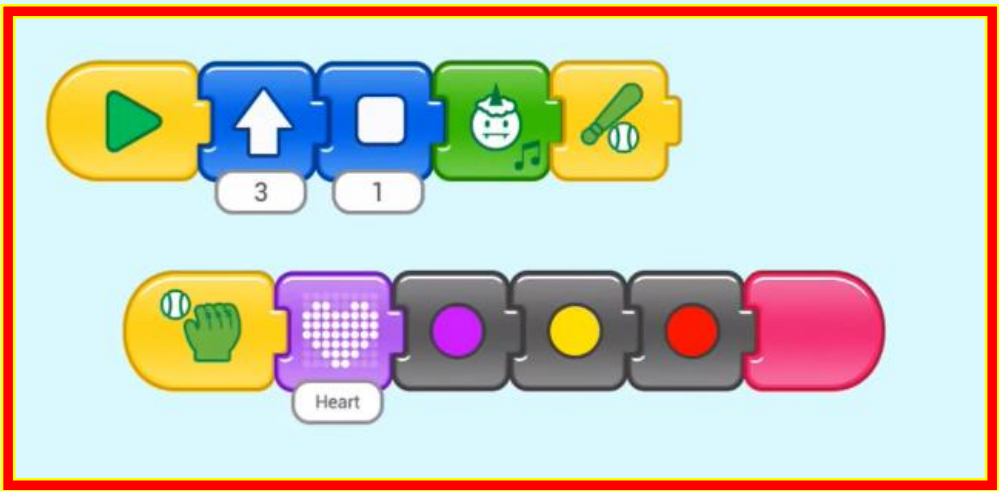


Click here to change the number of times a code runs





Click to **Play/Run** the code

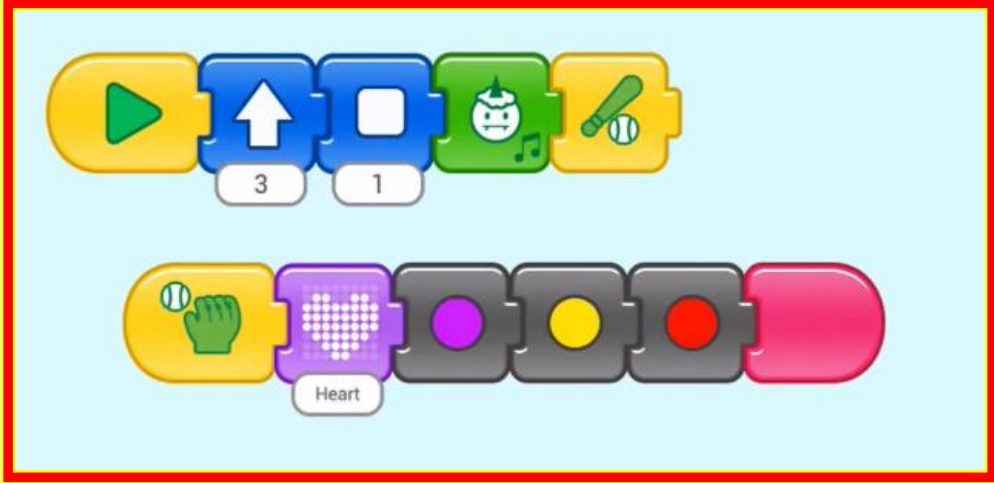


Programming Scripts





Click to **STOP** running your code





3



Happy Coding!

