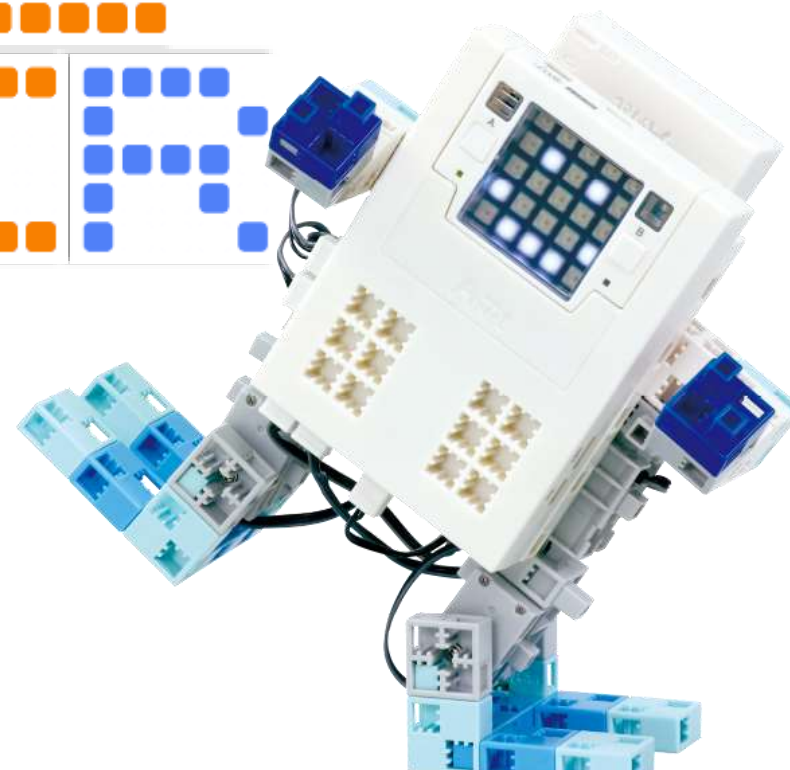
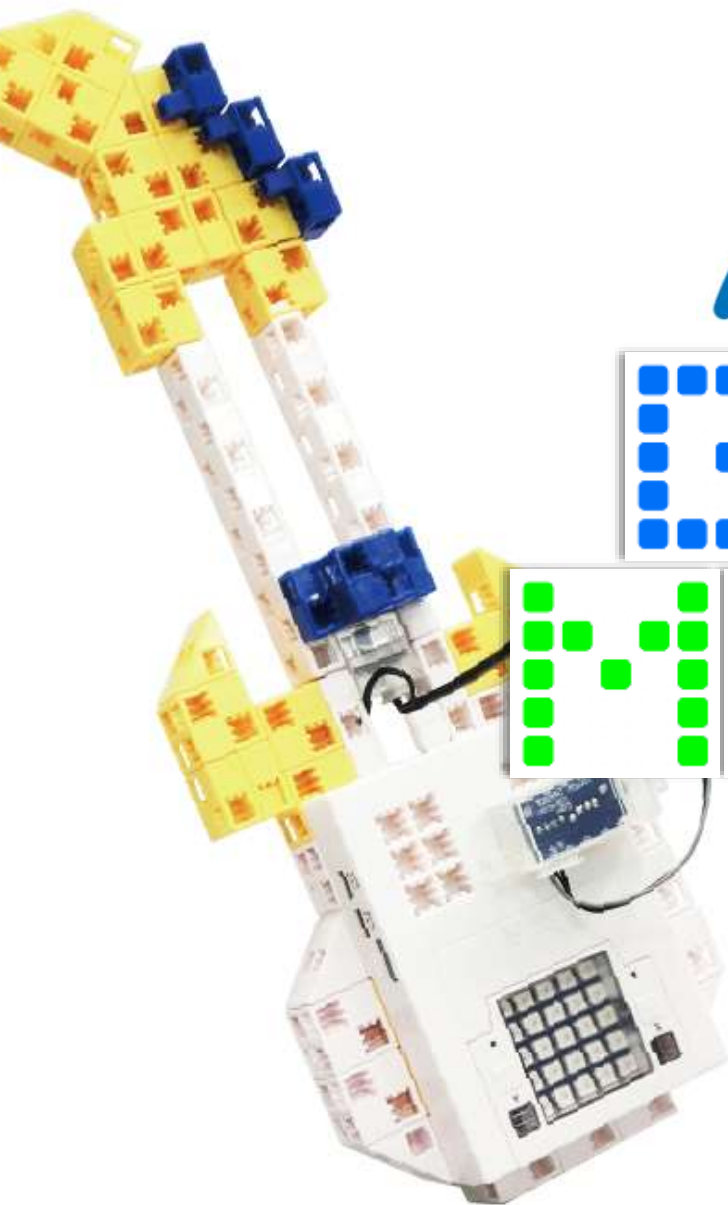


ArTeC[®] Robo 2.0

GAME

MAVE



What's / **Artec® Robo 2.0**

The Platform

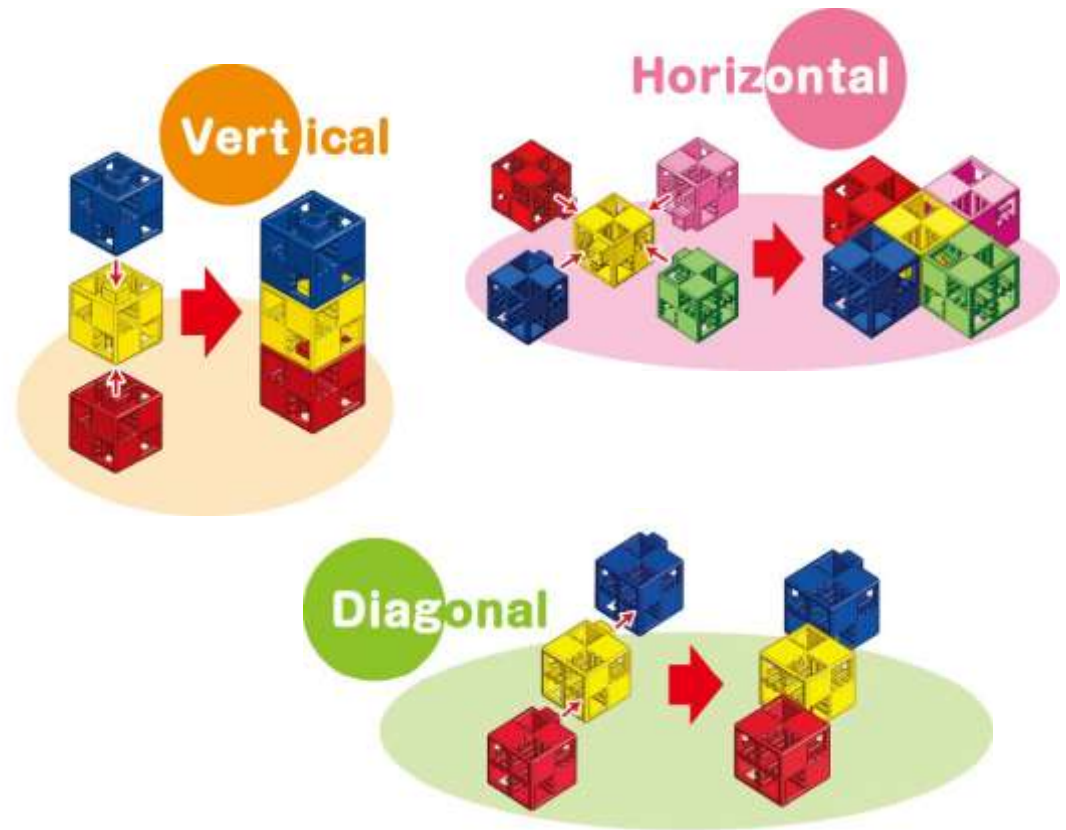


ArtecRobo 2.0 is Artec's next-generation programming education platform. It's composed of three parts: Artec Blocks, hardware parts, and beginner-friendly Scratch 3.0-based software!

What's / Artec® Robo 2.0

Artec Blocks™

Simple shapes, complex creations. **Artec Blocks** are 2 x 2 cm cubes which connect on any side: horizontally, vertically, or even diagonally!



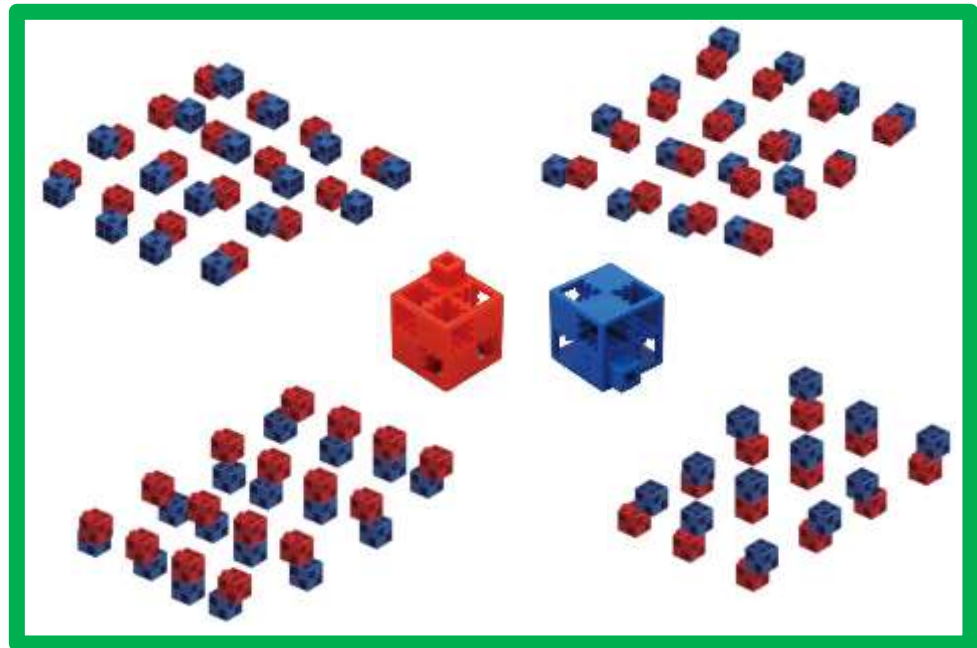
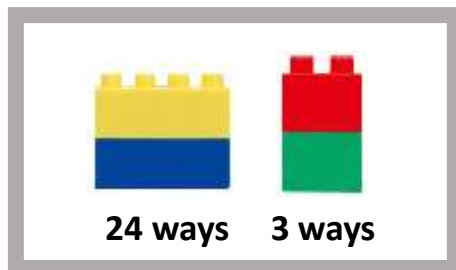
What's / ArTeC® Robo 2.0

The Math

Every cube has one connecting stud and 15 openings, letting you connect two cubes in 60 different ways!

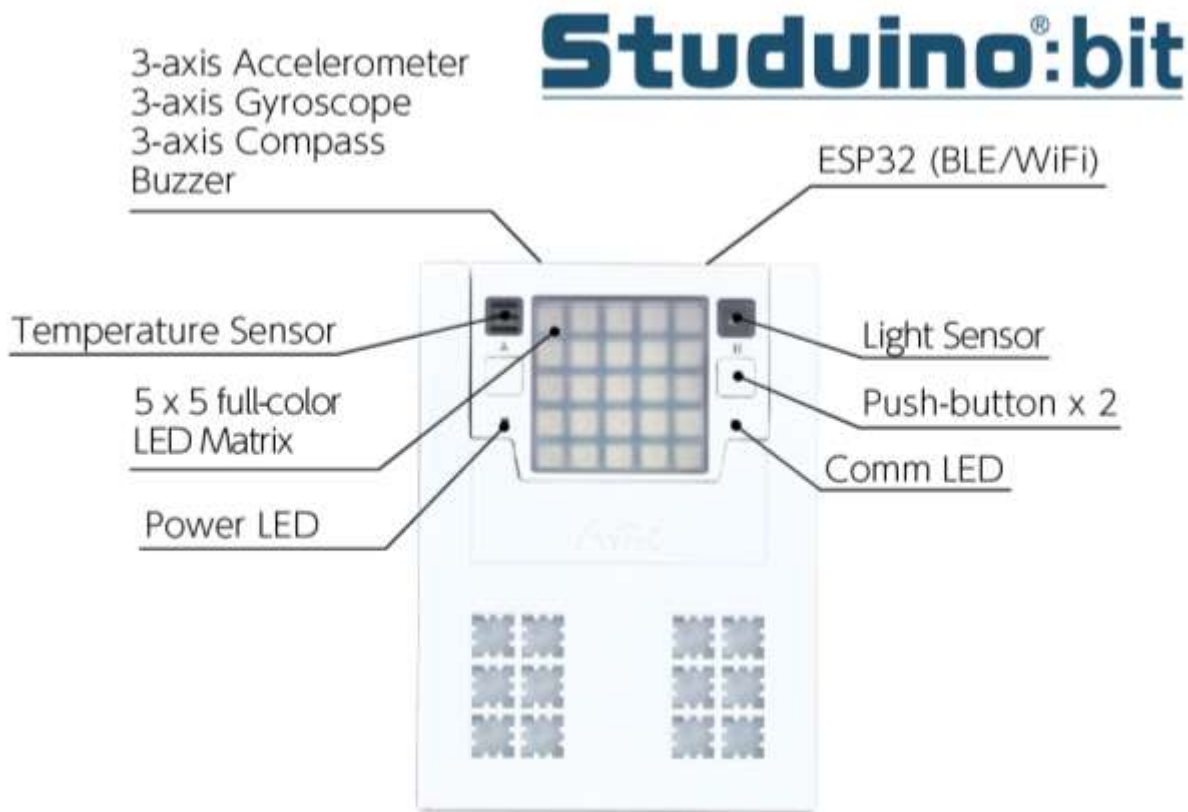
ArTeC Blocks

Standard Bricks™



What's / **Artec® Robo 2.0**

The Core Unit

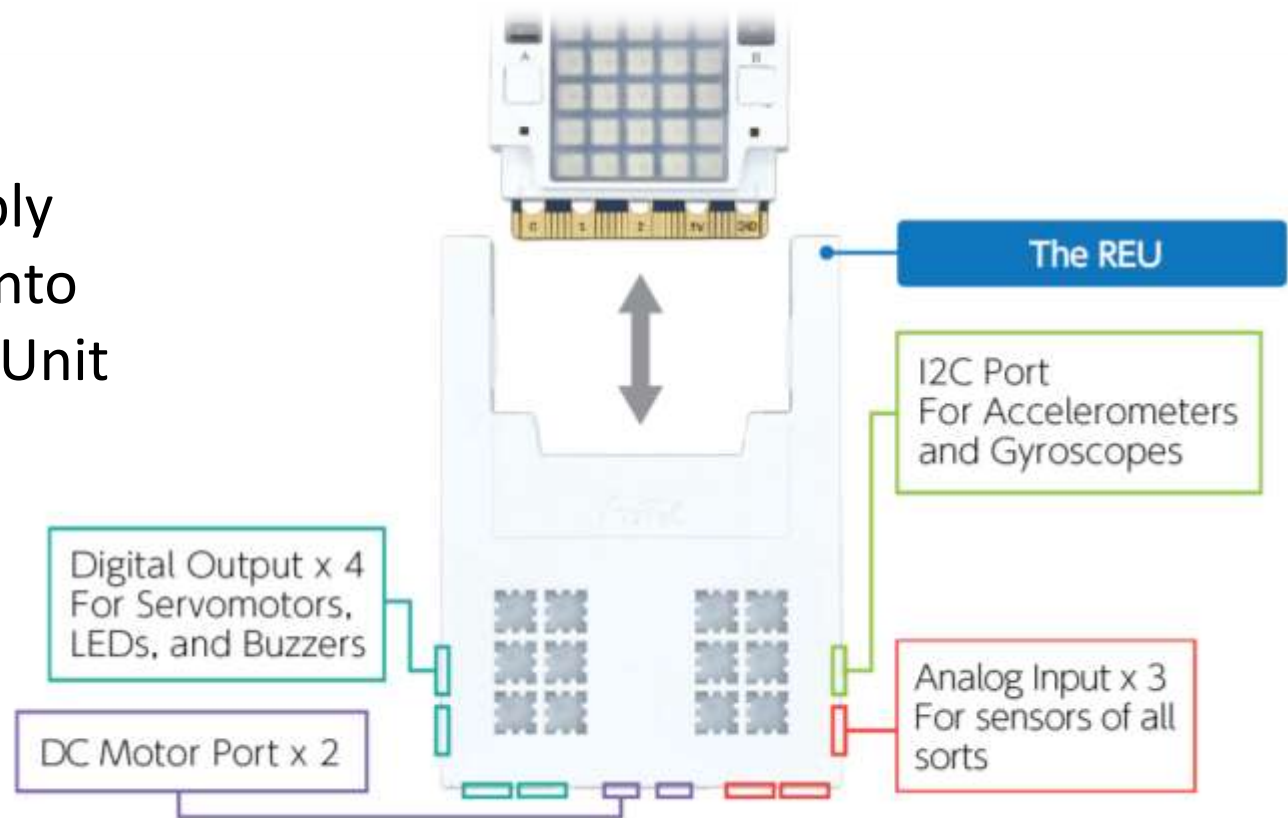


Programmable right out of the box, the Studuino:bit Core Unit is the heart of ArtecRobo 2.0. This ESP32 microcontroller comes equipped with a 5 x 5 LED Matrix, sensors, buttons, and native WiFi + Bluetooth support!

What's / **ArTeC** Robo 2.0

The Robot Expansion Unit

The first of many expansion units, simply slide your Core Unit into the Robot Expansion Unit to start building and programming robots using your favorite **ArTeC** Robo parts!



What's / Robo 2.0

The Specs

The Studuino:bit Core Unit

Size	60 x 60 x 25 mm (including shell)
USB	microB
Wi-Fi	802.11 b/g/n
Bluetooth	Classic, BLE 4.2 (dual-mode)
SoC	ESP32
Flash Memory	8 MB
SRAM	520 KB
PSRAM	8 MB
Clock Speed	240 MHz
Operating Voltage	3.3V
Communication Protocols	• USB IC for Windows/Mac *Native driver support for Mac OS X and Windows 10+ • BLE for iPad, Android Tablets, and Chromebooks
Components	5 x 5 full-color LED matrix, buzzer, 2 x push-buttons, light sensor, temperature sensor, 3-axis accelerometer, 3-axis gyroscope, 3-axis compass
Power Supply	USB or 3 x AA batteries (alkaline only).

The Robot Expansion Unit

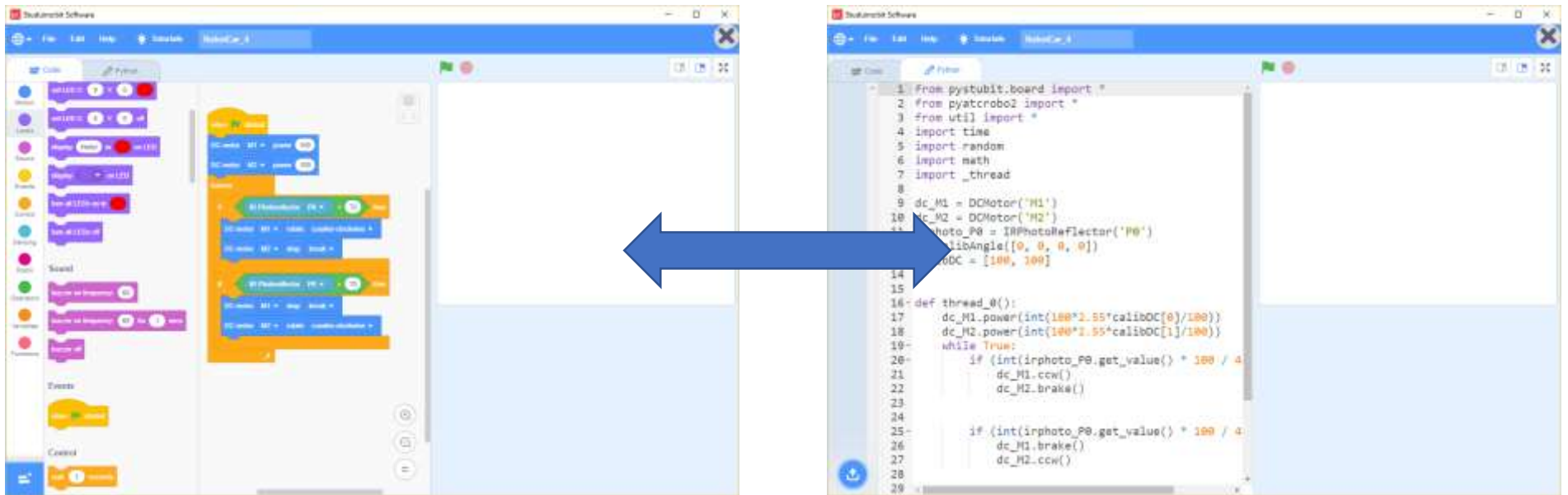
Size	80 x 110 x 25 mm (including shell)	
Supported Parts	Servomotors, LEDs, Buzzers	Up to 4
	IR Photoreflectors, Light, Sound, Touch or Temperature Sensors	Up to 3
	Accelerometers, Gyroscopes	1
Power	USB or 3 x AA batteries (alkaline only).	

System Requirements

- OS
 - Windows 7/8/8.1/10, Mac OS X 10.6+, Android 5.0+, iOS 11+, ChromeOS
- Recommended Hardware
 - Windows - CPU: Minimum Core 2 Duo (E6700) or equivalent, Memory: 2+ GB, USB 2.0 port
 - Mac OS X - Minimum required by OS
 - iOS - iPad with minimum required by OS (iPhone, iPad mini not supported)
 - Android - 10+ inch device with native support for compatible OS (support not guaranteed for all Android devices)
 - Chromebook - 2016 or later model compatible with Android app and Bluetooth 4.0

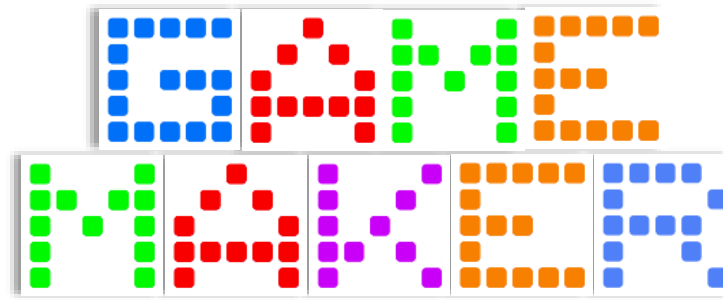
What's / **Artec Robo 2.0**

The Software



Our Studuino:bit programming environment is an evolution of Scratch 3.0, allowing you to switch between beginner-friendly block programming and advanced Python coding in an instant on Windows, Mac OS X, ChromeOS, iOS, and Android!

What's

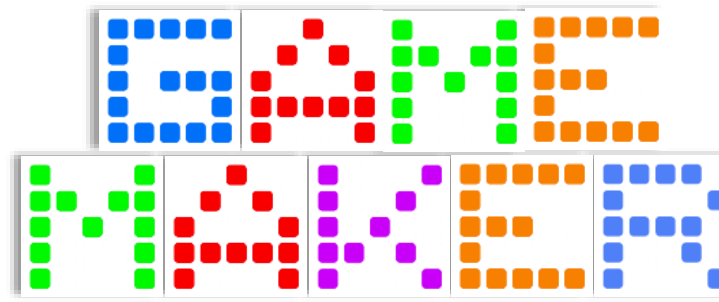


The Concept



Game Maker lets you pump, paddle, strum, and shoot your way through over 20 amazing games right out of the box!

What's

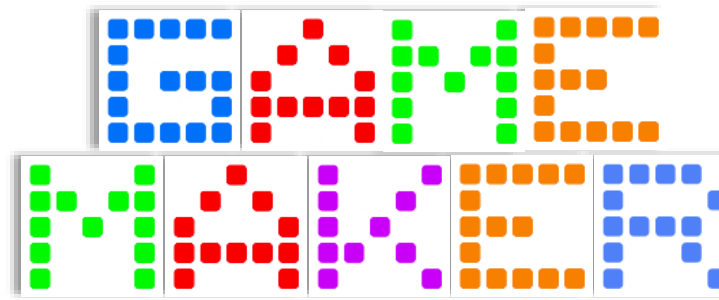


The Content

Games of skill, games of chance, Game Maker comes ready with fully illustrated guides and programs ready for you to play, mod, and take inspiration from as you create games of your own!



What's



The Content

The kit comes with everything you need to start your adventure, including a Studuino:bit, Robot Expansion Unit, DC Motor, Servomotor, IR Photoreflector, Touch Sensor, and a whole bunch of blocks!



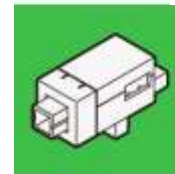
Studuino:bit

Robot Expansion Unit

DC Motor

Servomotor

IR Photoreflector



Touch Sensor





Game and game again with

Artec® Robo 2.0

