

MAKER WORKS TECHNOLOGY INC

Technical support: support@makeblock.cc www.makeblock.cc

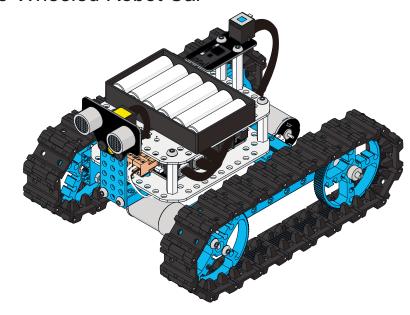


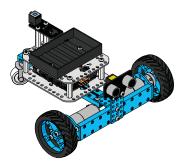




Starter Robot Kit Bluetooth Version

Robot Tank Three-Wheeled Robot Car



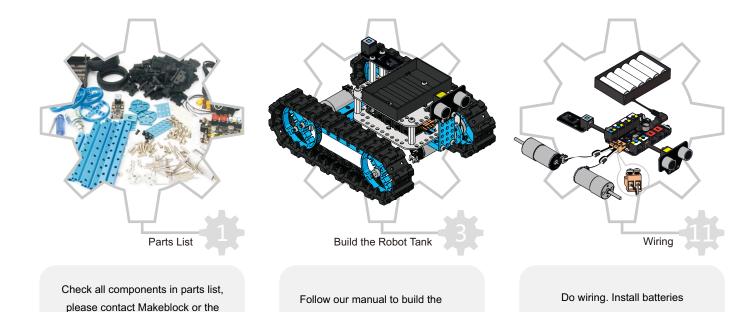


distributor if any component lacked.

Quick Guide Warning: Keep this kit out of the reach of small children or animals. Small parts may cause choking or serious injury if swallowed.

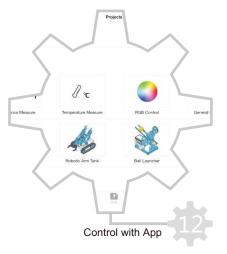
for your robot.

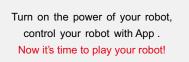
Makeblock Starter Robot Kit contains mechanical parts and electronic modules for you to start exploring the robot world which can be used to build a robot tank or a three-wheel robot car. It is also a great tool to learn mBlock and Scratch programming.

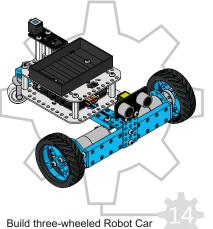


Robot Tank.

Please visit http://learn.makeblock.cc/starter-robot-kit/ to view the build and programming guide.







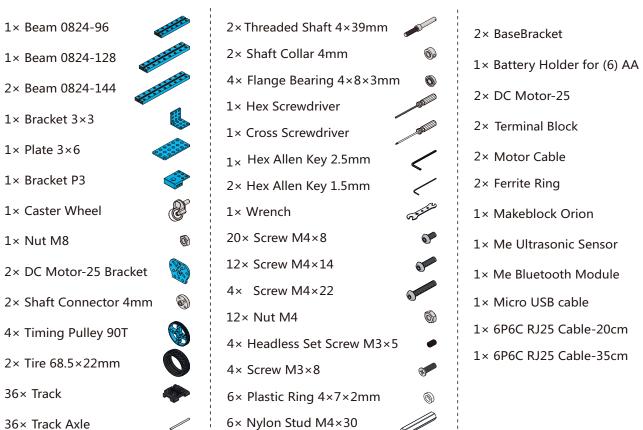
Try another style: Follow our manual to build the Three-wheeled Robot Car.



Programming Guide--Further exploration

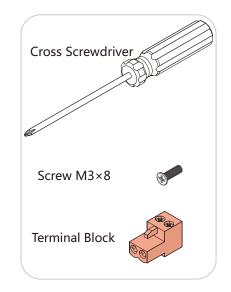
Advanced player can re-program to the robot by mBlock or Arduino to explore the wonderful robotic world.

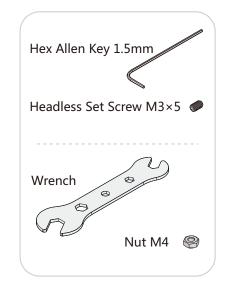
Parts List Pictures for reference only



Tool Tips



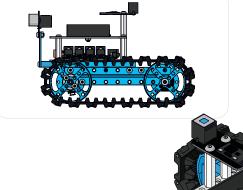


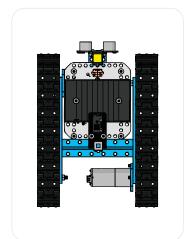


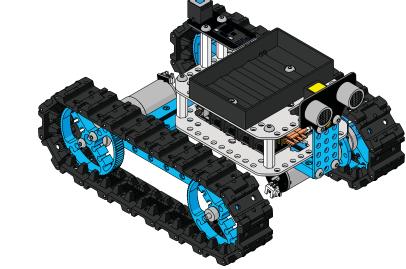


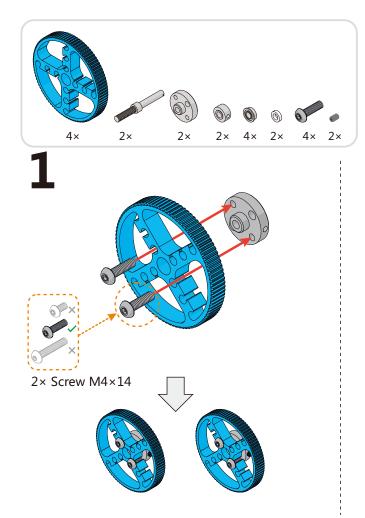
Build the Robot Tank

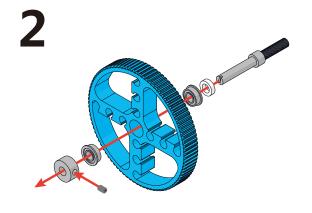


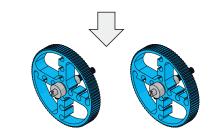






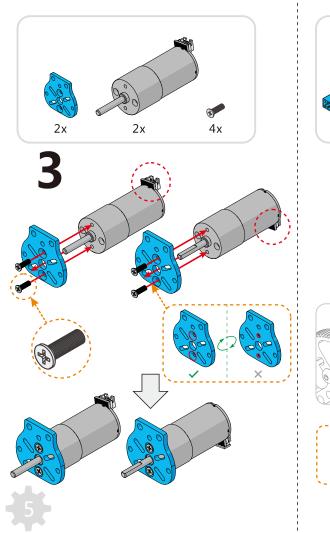


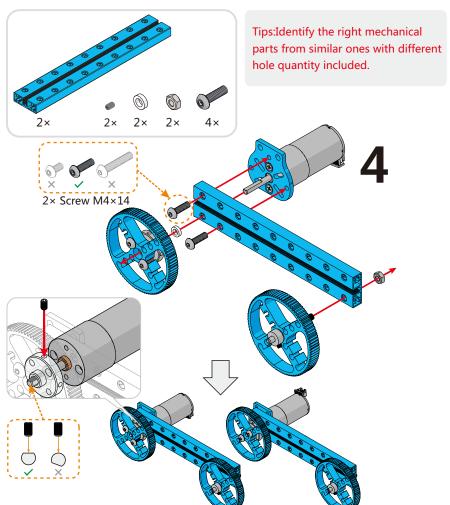


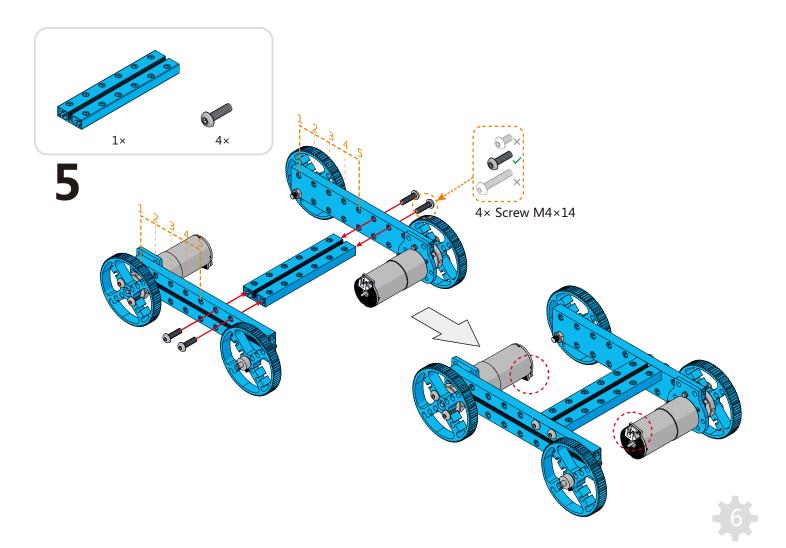






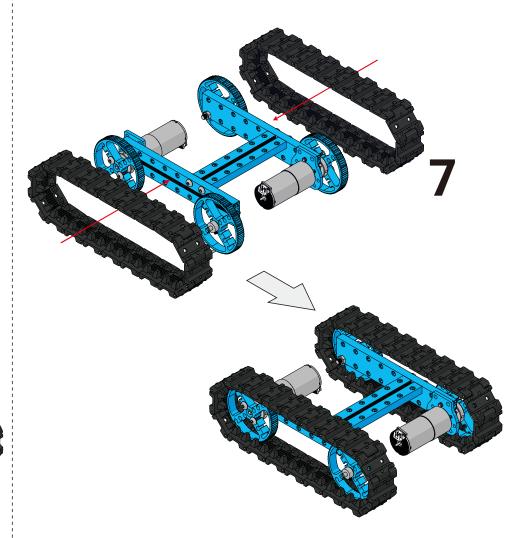


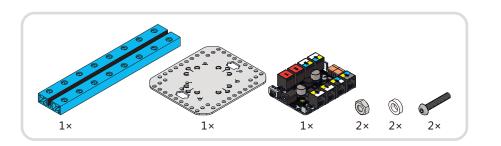


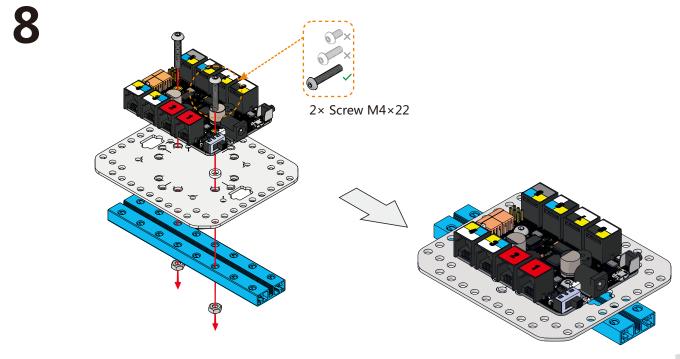




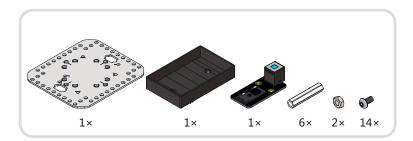


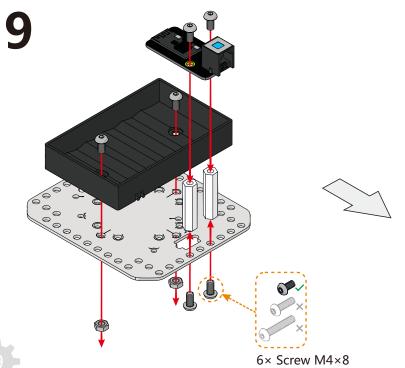


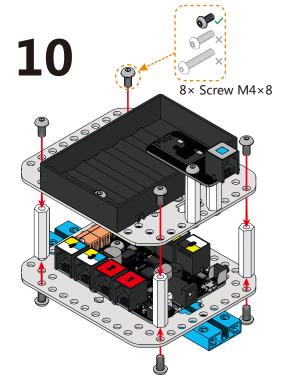


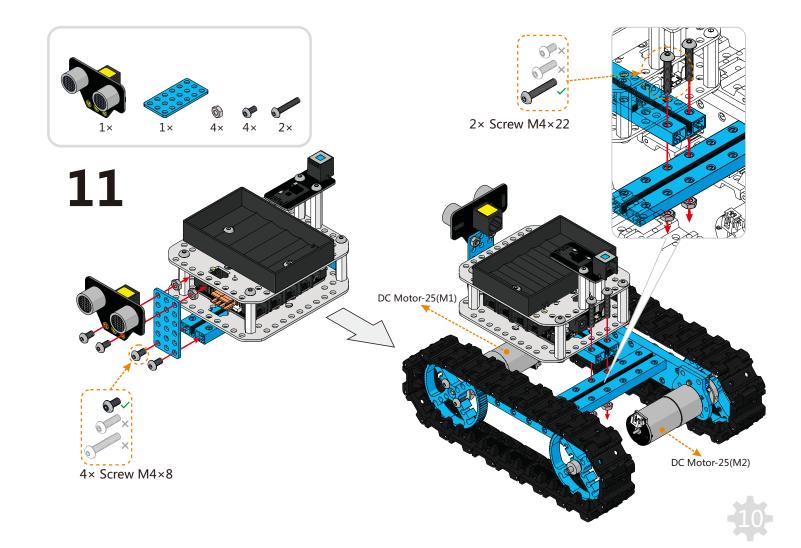






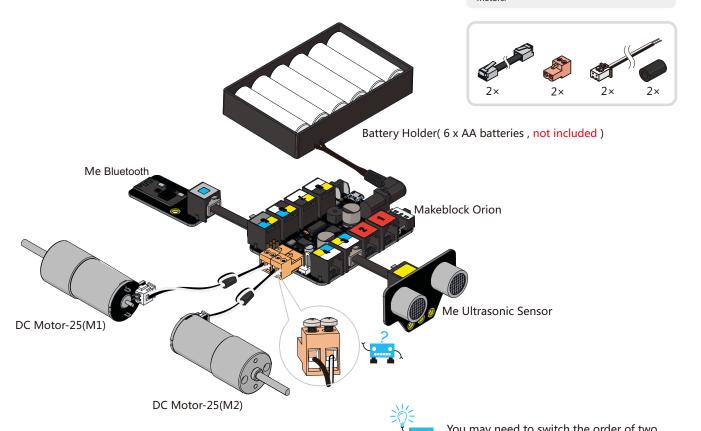






Wiring

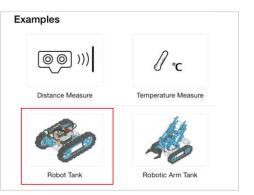
To reduce the electromagnetic interference, please add ferrite ring for the wires which connected to motors





- 1. Download and install Makeblock HD app by either way below.
 - A. Download Makeblock app at http://app.makeblock.cc/. B. Scan QR code below to download Makeblock app.(Figure 1)
- 2. Check wiring, make sure everything is correct, and then turn on the power of your robot.
- 3. Turn on the Bluetooth of your smart device.
- 4、Run Makeblock app, select your robot from Examples.(Figure 2)
- 5. Put your smart device close to robot, press the play button to find Bluetooth device, and then connect the robot to your smart device. (Figure 3)
- 6. Control your robot with the direction button.





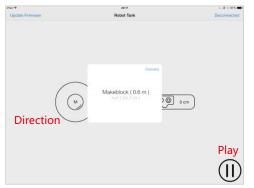


Figure 1

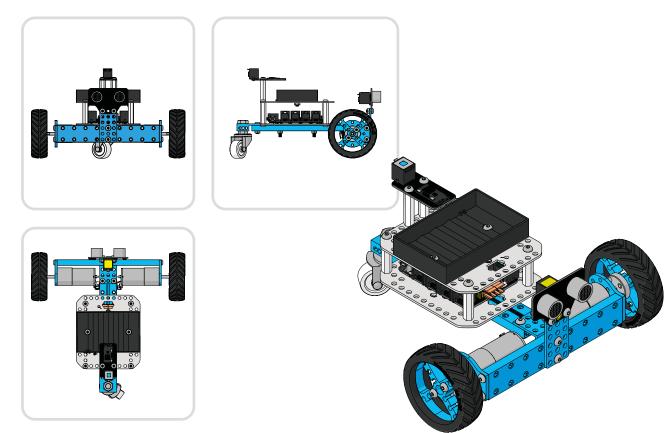
Figure 2

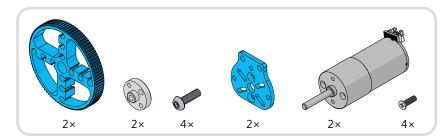
Figure 3

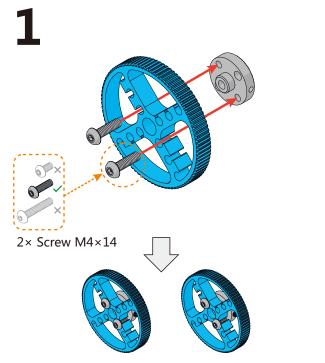
Now it's time to play your robot!

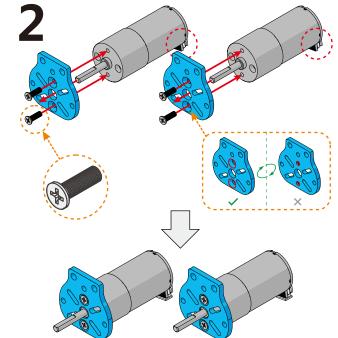


Build three-wheeled Robot Car



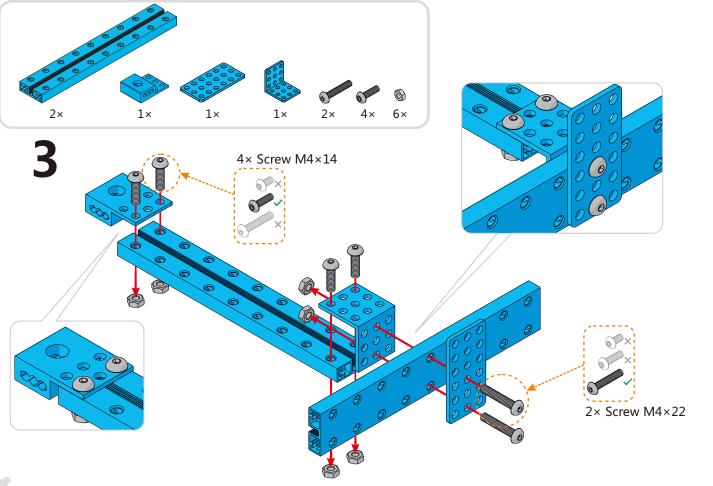




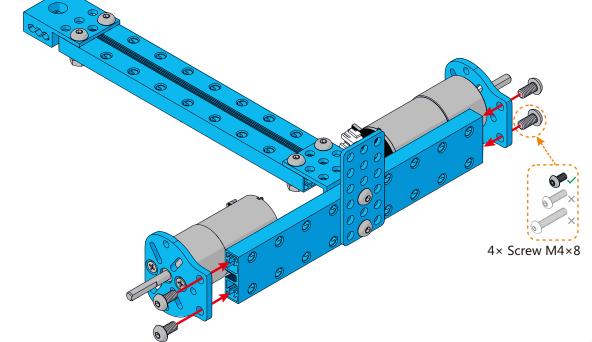




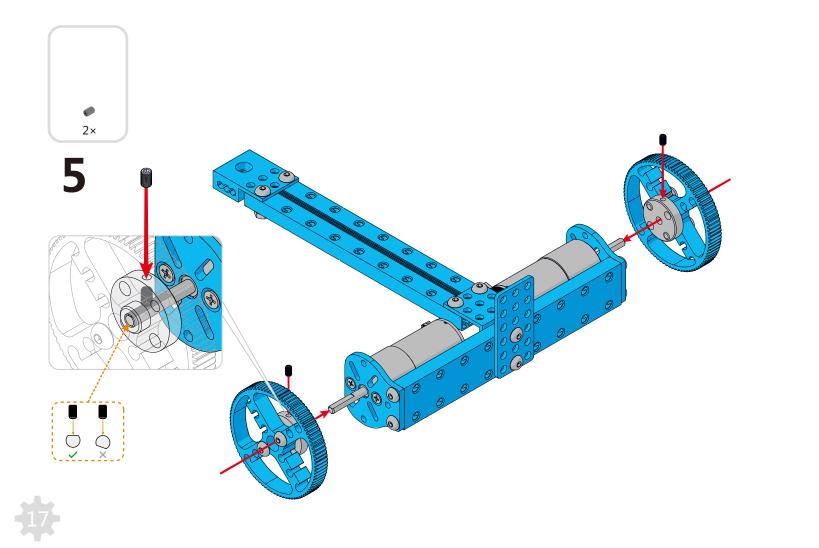


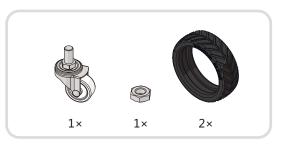


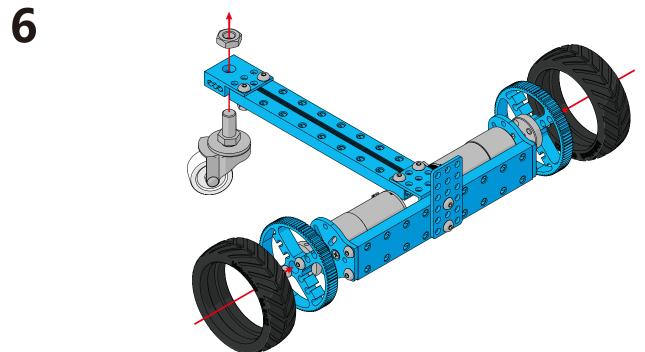




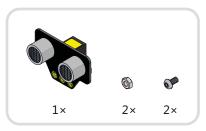




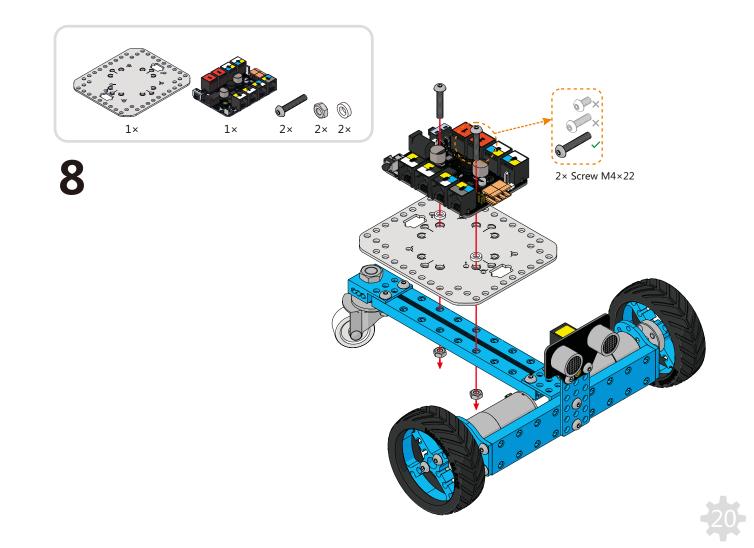




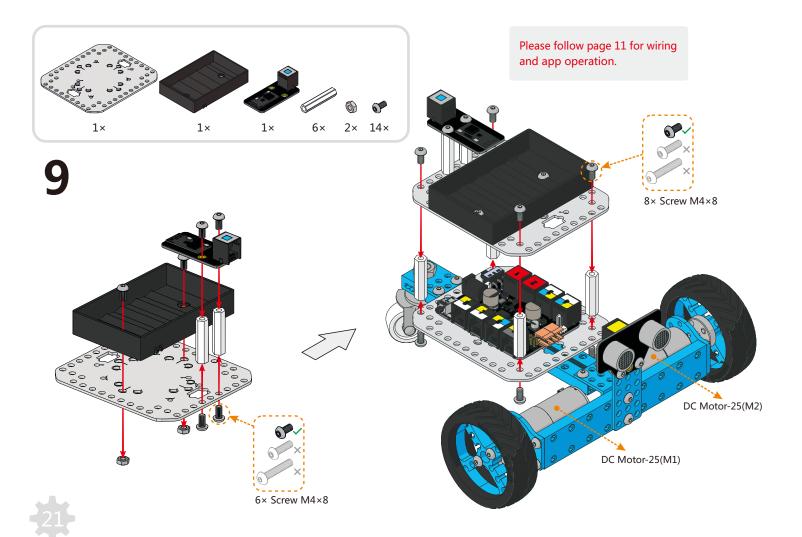




2× Screw M4×8

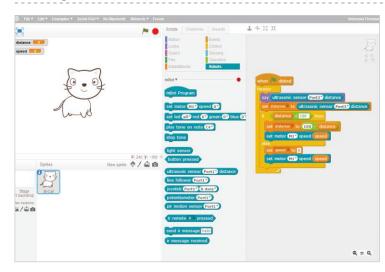






Programming--Further exploration

Working with mBlock--Hack the Physical World



The Starter Robot Kit support mBlock perfectly which allow you reprogramming your robot by simply drag and joint the blocks of mBlock. No more difficult coding.

mBlock is a free modified version of Scratch 2.0 developed by MIT Media Lab, mBlock add some hardware-related blocks in the original Scratch, with these blocks, users can read sensors, control motors and even a whole robot.

Besides blocks for the basic microcontroller functionalities, analog and digital writes and reads, PWM outputs. There are also blocks for each specific electronic modules, such as ultrasonic sensor, temperature sensor, light sensor, DC motor driver, stepper driver, etc. With these blocks, it's simple to interact with many kinds of electronic modules.

Visit the following URL for more details: http://learn.makeblock.cc/learning-scratch

Working with Arduino IDE --Learn Programming the Fun Way

Arduino is an open-source electronics prototyping platform based on flexible, easy-to-use hardware and software. The Arduino software consists of a development environment (IDE) and the core libraries. The IDE is written in Java and based on the Processing development environment.

Visit the following URL for more details: http://learn.makeblock.cc/learning-Arduino
Download the library zip package: https://github.com/Makeblock-official/Makeblock-Library/archive/master.zip

Electronic modules on makeblock--Further exploration



direcion of object.







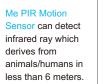




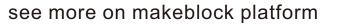
Me Temperature Sensor is a stainless steel tube sensor which is used for measuring temperature.











Kits on Makeblock--Further exploration

