



# STEM ROBOT KIT

## METAL BLOCKS

Learn coding and engineering with Robobloq robots! There are hundreds of metal pieces and electronic modules, Arduino boards, and a Scratch based programming mobile app. With your creativity, this is a wonderful robotic world!



## Q-scout

65 pcs  
Line follower sensor Ultrasonic sensor  
Age 6+

## Qoopers

174 pcs 6 forms  
LED panel Ultrasonic sensor  
Age 8+



## HOW IT WORKS

Robobloq is a robot building platform with hundreds of parts to unleash your creativity.



Metal blocks



Arduino



Sensors



Output modules



## Q-dino

231 pcs 2 forms  
Ultrasonic sensor DC motor driver  
Age 10+

## Q-elephant

260+ pcs 2 forms  
Ultrasonic sensor  
8-leg structure Age 10+



## SENSORS & OUTPUT MODULES

Our selection of electronic modules helps you understand the nature in a scientific way. They can be used on all our robot series, and the list is still growing...



Color sensor



Line follower sensor



Humidity & temperature sensor



Ultrasonic sensor



MP3 module



RGB LED Matrix



Sound sensor



PIR motion sensor



Light sensor



Gyroscope sensor



Multi-touch sensor

# CODING WITH ROBOBLOQ

## 1 Robobloq App #Scratch #Python

Available across iOS, Android, Mac, Windows and Linux, the first and must-have app you use with our robots.



## 2 Arduino IDE #C

Our robots' firmwares are open sourced and you can modify them to make your own!



## 3 micro:bit #JavaScript

Our robots support micro:bit. With a connector you can use micro:bit to control instead of Arduino. On JavaScript Block Editor you can now experience coding robots with JavaScript!



## 4 Swift #Swift

With the help of our library and demos, you can start using Swift to create your own iOS app dedicated for Robobloq robots.



## LEARNING RESOURCES

With the help of our official resources and global communities, you can start a coding journey at home, and have your own experience of robot building and coding!

1. Robobloq WIKI - [wiki.robobloq.com](http://wiki.robobloq.com)
2. Robobloq coding guidebooks
3. Robobloq curriculum
4. [github.com/Robobloq2018/Robobloq](https://github.com/Robobloq2018/Robobloq)
5. Arduino & micro:bit communities

# ROBOBLOQ FOR EDUCATION

Robobloq's robot building platform enables STEM education in classrooms. Here's how we make it happen:

## Curriculum



## Lessons & Competitions

