micro:bit

MICRO:BIT ACCESSORIES
for the BBC micro:bit

BBC micro:bit

TINKERCADEMY

1. micro:bit Essential Kit

a BBC micro:bit, a USB Cable, a Battery Cage
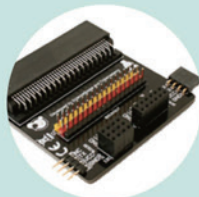
2. Exclusive CLASSROOM Pack Offer!

15 micro:bit boards, 15 USB cables, 15 Battery Cages, 30 x AAA Batteries

3. micro:bit School MakeCode Pack with 30 Starter Kits

micro:bit Digital Tinker Kit

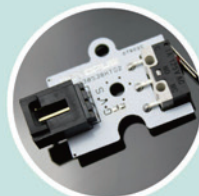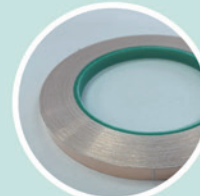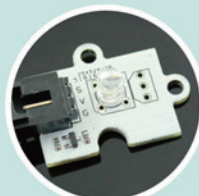|				
Micro:bit Board	Tinkercademy Breakoutboard	1x IIC OLED	2 x FS9OR servo with wheel	5 x Alligator clips
1 x Octopus sensor Brick	1 x Octopus ADKeypad	1 x Octopus PushButton Brick	1 x Octopus Crash Sensor	Copper Type 0.06 x 5mm x 15m
12 x Jumper Wires	1 x Octopus 5mm LED Brick OBLED-Red, Blue, Yellow, Green	1 x Soil Moisture Sensor Brick	1 x Octopus Analog Rotation	1 x Octopus Passive buzzer
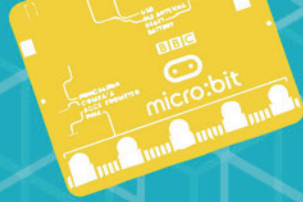
micro:bit

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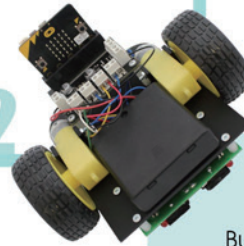
Kitronik

Inventor's Kit for the BBC micro:bit

HK$228

1

The Kitronik Inventor's Kit for the BBC micro:bit is a great way to get started with programming and hardware interaction with the BBC micro:bit. This Inventor's Kit contains everything you need to complete 10 experiments including using LEDs, motors, LDRs and capacitors. **micro:bit not included
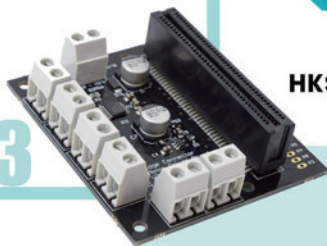

Line Following Buggy

HK$300

2

This easy to build Line Following Buggy is controlled by the BBC micro:bit and the Kitronik Motor Driver.
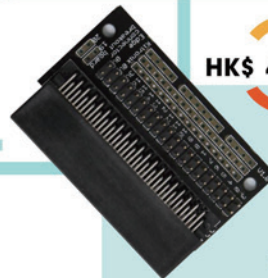

Motor Driver Board V2

HK$118

3

This motor driver board for the BBC micro:bit allows two motors to be driven with forward, reverse & stop control, and allows access to the other pins.

Edge Connector Breakout Board for BBC micro:bit - Pre-built

HK$ 45

4

This motor driver board for the BBC micro:bit allows two motors to be driven with forward, reverse & stop control, and allows access to the other pins.
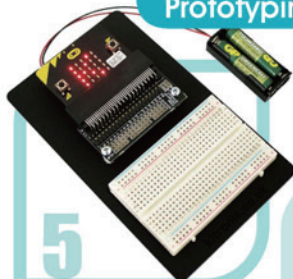

Prototyping System

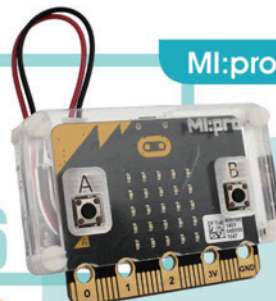**HK$125**

5

Break out all 21 pins of the BBC micro:bit and easily connect additional components using this.
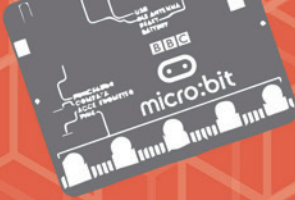

MI:pro Protector Case

HK$ 40

6

Available only in Transparent, the MI:pro Protector Case not only keeps a BBC micro:bit in perfect condition but also offers a number of other benefits. Keep your BBC micro:bit safe and secure with this compact, portable protective case

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micro:bit

MICRO:BIT ACCESSORIES
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4tronix

PlayGround for BBC Micro:Bit - Starter Kit

1

HK$298

This is an exciting new way to use your micro:bit, with addon components, but without requiring crocodile clips which can be difficult for small people to use.
Also, this new approach allows the use of a single cable for most addons, instead of 3 crocodile clips
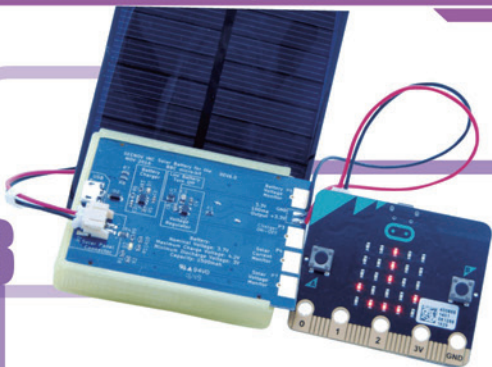
Bit:Bot Robot for BBC Micro:Bit

2

HK$328

This is a perfect choice, NO SOLDERING required to build a line follower, and with LIGHT Sensor, it is perfect to engage kids and adults to explore and code!

Seenov Solar Battery for the BBC micro:bit

3

HK$538

Lithium rechargeable battery for the micro:bit with solar panel and USB charging. Our rechargeable Lithium batttery can replace 500 sets of alkaline batteries while producing 23 times less carbon emmisions. You can recharge it in 2 hrs with a USB connection and it will power your micro:bit for 5 days or more!
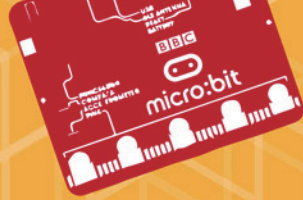
PlayGround for Microbit - Super Kit

4

HK$258

This Playground Super Kit is presented in a plastic case and includes. This is an exciting new way to use your micro:bit, with addon components, but without requiring crocodile clips which can be difficult for small people to use.

CLASSROOM STEAM EDUCATION

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▶ **4tronix**

MICRO:BIT ACCESSORIES
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1. micro:pixel 4x8 WS2812B board

HK$180

Love your micro:bit but wish it had a splash of colour? Well, with this nifty add-on you have 32 individually controllable RGB WS2812B (NeoPixel) LEDs in a well proportioned 4x8 grid.

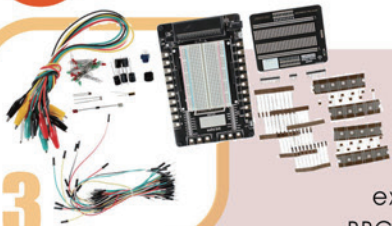### 2. micro:pixel Edge 1x10 WS2812B Board

HK$78

Part of our range of microbit accessories and addons, the micro:pixel EDGE is the little brother of the micro:pixel board. It has 10 super high density WS2812B (NeoPixel) LEDs packed onto one side of the board a little larger than the micro:bit edge connector itself.

3. Starter Pack for Proto-PIC exhi:bit

HK$440

If you are looking to get started prototyping with the exhi:bit board for the BBC micro:bit, our starter packs for exhi:bit have everything you need under one roof.

We include a whole pile of goodies and components so you can start learning, and of course we include a perma proto daughter board so once you get your project going, you can solder it up to make a more robust permanent version.

4. exhi:bit Prototyping system

HK$78

This board breaks out all of the micro:bit pins to large pads suitable for crocodile clips and banana jacks as well as standard 2.54mm female headers. It also has external power in from either USB or a DC jack and regulates the power down for the micro:bit.
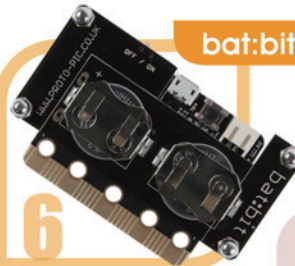
5. Adafruit NeoPixel Ring - RGB LED w/ Integrated Drivers - 16 pixel

HK$115

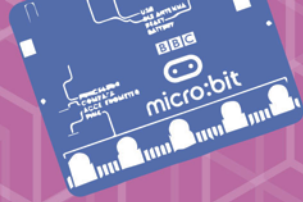Round and round and round they go! Ultra bright smart LED NeoPixels arranged in a circle.
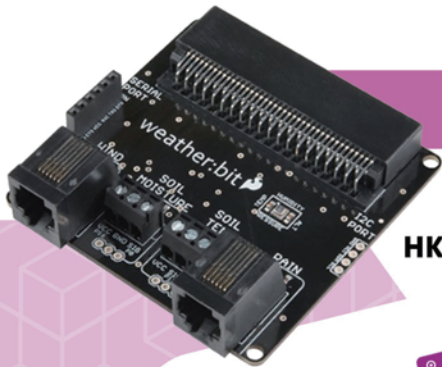
6. bat:bit slim battery case

HK$90

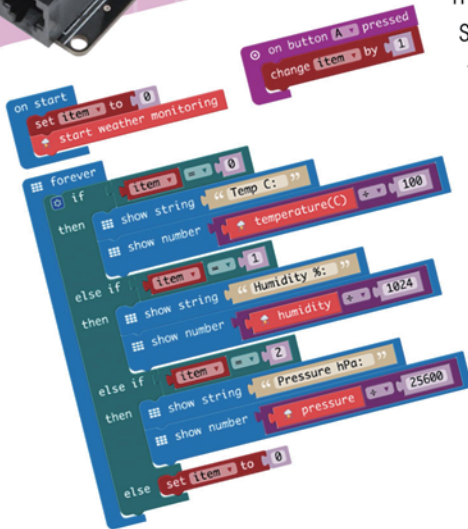Cool and powerful batteries pack for your micro:bit
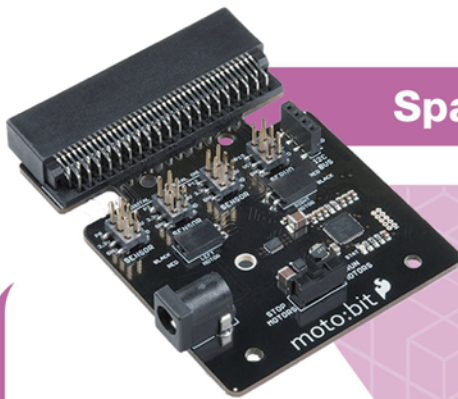
micro:bit

sparkfun ELECTRONICS

## micro:climate Kit with weather:bit

HK$ 115

The weather:bit is a carrier board for the micro:bit. Similar to an Arduino shield, it is designed to add functionality to the micro:bit without the hassle of a number of other boards, components and all of those jumper wires. In this case, the weather:bit takes your normal run-of-the-mill micro:bit and turns it into a full-blown weather station with a few extra parts, which you can use to measure Air Temperature, Relative Humidity, Barometric Pressure, Wind Speed, Wind Direction, Rain Fall, Soil Moisture, Soil Temperature

SparkFun moto:bit

HK$ 115

The SparkFun moto:bit is a fully loaded "carrier" board for the micro:bit that, when combined with the micro:bit, provides you with a fully functional robotics platform. The moto:bit offers a simple, beginner-friendly robotics controller capable of operating a basic robotics chassis. Onboard each moto:bit are multiple I/O pins capable of hooking up servos, sensors and other circuits. At the flip of the switch you can get your micro:bit moving!

- ☰ Variables
- ▦ Math
- 🚗 Moto:bit
- ⌃ Advanced

▶ **sparkfun**
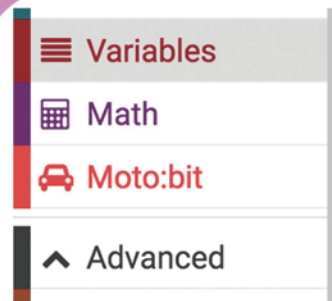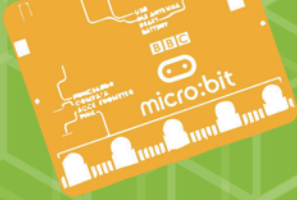
The Grove Inventor Kit

HK$468

The Grove Inventor Kit for micro:bit brings endless possibilities to your micro:bit. The core board in this kit is the Grove shield for micro:bit, with which you can use plenty of Gr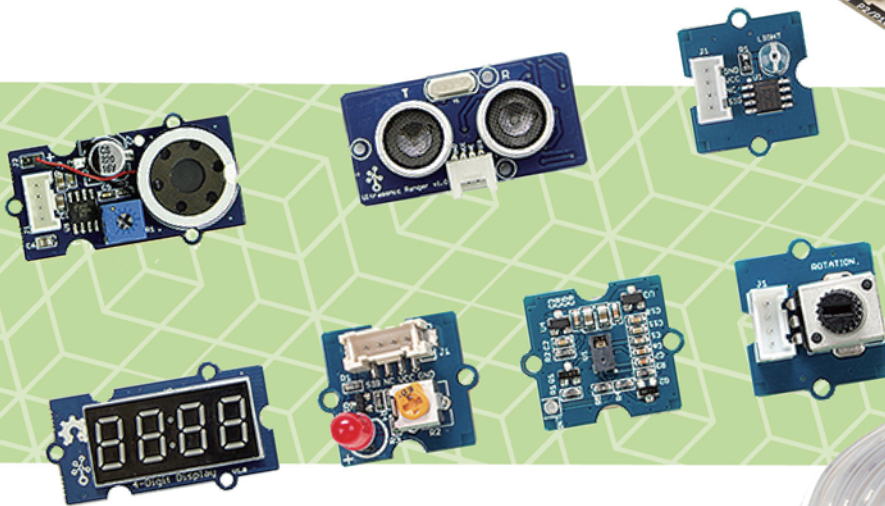ove modules including sensors, display, actuator to interact with micro:bit. If you never used and have no idea what grove is, here is the introduction of Grove. All you need to know is that with Grove, there is no need of soldering or jumper wires any more. Your prototyping will be easier and much more convenient.

- 1 x Shield for micro:bit
- 1 x Rotary Angle Sensor(P)
- 1 x Speaker
- 1 x Ultrasonic Ranger
- 1 x Light Sensor v1.2
- 1 x WS2812 Waterproof LED Strip (30 LEDs 1 meter)

- 1 x Gesture
- 1 x 4-Digit Display
- 1 x Red LED
- 1 x Micro USB Cable - 48cm
- 1 x 12 Projects Manual
- 10 x Alligator Cable
- 7 x Grove Cable

micro:bit

MICRO:BIT ACCESSORIES
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Home-Fix
XPC
Learn | Make | Design

LEARN
MAKE
DESIGN

Home-Fix
XPC
Learn | Make | Design

HK$548

Digital Explorer's Pack: Trekking The Grove

Visit the Grove and discover a landscape of digital making adventures!

INCLUDES THE FOLLOWING ADVENTURES!

LET'S KEEP OUR DISTANCE BUT STILL IN TOUCH
Signal Lights with Colours

ONE VOICE SINGING IN THE DARKNESS
Sound sensors with alarm buzzer

WHY DOES MY FISH TASTE LIKE BEANS?
Rotary fan + Temperature Sensor

BRING ME HOME
Direction Pointer

4 Projects

WHAT'S IN THE BOX ?

Moisture Sensor · Mini Fan · Grove Universal Cables · Tembusu Integration Board · Light Sensor · LED x3 · Vibration Motor · Buzzer · Potentiometer · Sound Sensor · Servo Motor
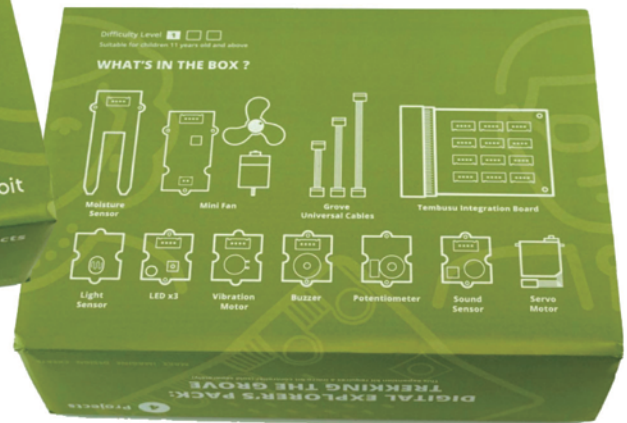
- Integration of electronic components by using different types of sensors to trigger different mechanism or devices
- Tembusu Integration Board : Connects Grove modules to micro:bit
- Buzzer and Sound Sensor : Connects to digital and analog output and emit tone with output
- Mini Fan : Connects Output to a DC motor
- Moisture Sensor : Detects moisture level based on resistivity
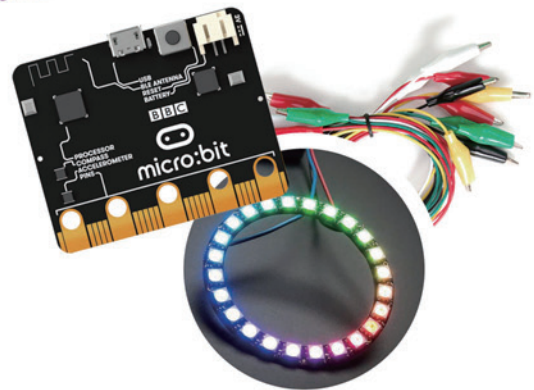- Light Sensors : Detects level of ambient illumination to trigger light brightness.

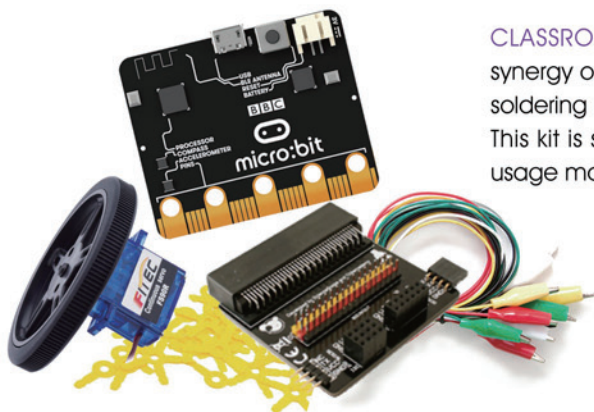CLASSROOM STEAM EDUCATION

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▶ xpc

NeonLightBox

Make & Code !

Let's make some lights dancing around, lift your spirit up.
You can now make and code your own neonlightbox!

- 1 x micro:bit
- 1 x Neopixel ring 12 pixel
- 5 x Alligator Clips

Build your own Crazy Robots!

CLASSROOM micro:bit Crazy Robot Kit is developed based on the synergy of micro:bit, Tinker Breakout board and elekfreaks sensors. No soldering needed.
This kit is suitable for learners as young as 10 years old to learn the usage modules in an interesting environment.

- 1 x Tinkercademy Break Board
- 2 x FS90R servo with wheel
- 5 x Alligator clips
- 10 x Strawbees and Straws
  (micro:bit not included)

Let's makey makey!

micro:bit makey makey kit

- 1 x micro:bit board
- 1 x USB cable
- 1 x AAA battery holder with switch on/off
- 5 x Alligator clips
- 1 x A buzzer (to keep the buzz going!)
  (Bananas not included)

Go bananas with micro:bit!
First launching in Hong Kong with great buzzzzz !