

Special Kickoff Elective for Challenge October 12th (Saturday Evening)

Exploring Tech (for female students only – including anyone whose gender identity is female)

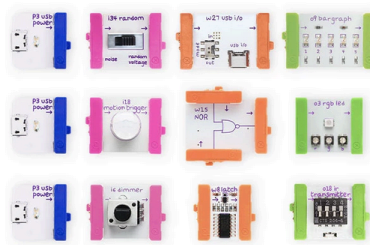
littleBits – snap together electronic circuits – build something that **does** something
also see a coding kit to explore

How do they Work?



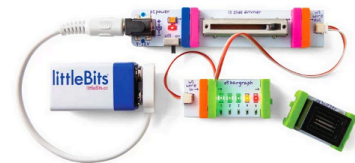
MAGNETIC

The Bits snap together with magnets providing a simple and intuitive experience



COLOR-CODED

Bits are color coded by function in the circuit and are assembled in a logical order.



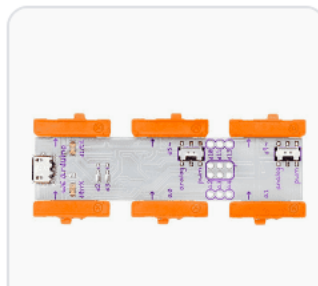
MODULAR

All of our Bits can be combined and reconfigured to create brand new inventions

Arduino – Regular version or littleBits version
both work with the Arduino Integrated Development Environment (IDE)



Arduino -
Development ...

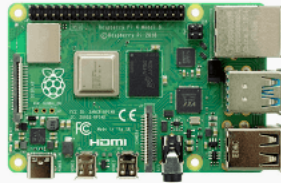


littleBits arduino
Bit

Raspberry Pi – credit card sized full capability computers



Raspberry Pi 3 -
Model B+ - 1...



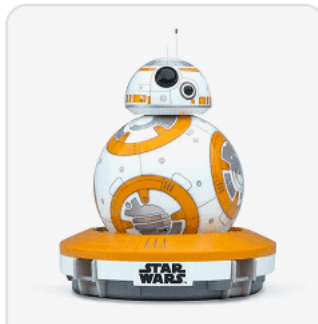
Raspberry Pi 4 [4GB] | ...

Rpi3 supports single screen – Rpi4 supports dual screen
Use these like a laptop to develop code for the Arduinos

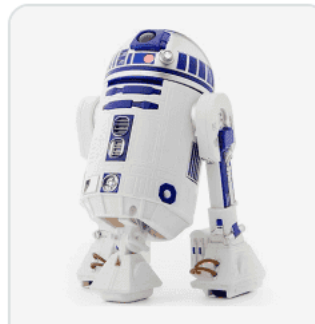
Droids – Star Wars Droids App by Sphero



Sphero Star
Wars BB-9E



Sphero Star
Wars BB-8 App



R2-D2
App-Enabled ...

These are the Droids you are looking for...