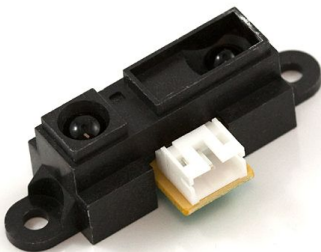
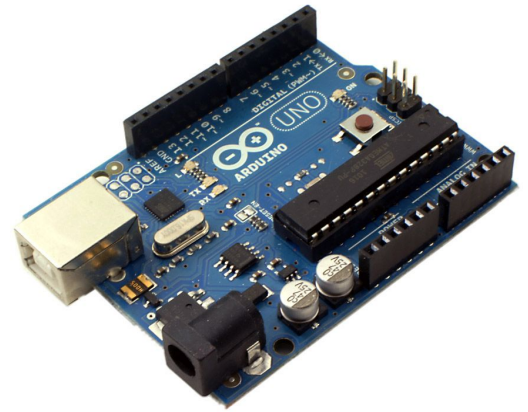


Let's build a **ROBOT** in an hour and for less than ~~£24.99~~ **£19.99**

BILL OF MATERIALS

Item	Price	
Arduino UNO Microcontroller Board (compatible, not the original) banggood.com (shipped from Hong Kong)	£3	
2 x Continuous Rotation Servo + Wheels ebay.co.uk (shipped from the Hong Kong)	£12	
Sharp 10-80cm Infrared Sensor ebay.co.uk (shipped from Hong Kong)	£3	
Case for 6 x AA Batteries (compatible with Arduino) banggood.com (shipped from China)	£1.20	
Wires, elastic bands, tape, etc.	79p	
Total (including shipping!)	£19.99	



USEFUL LINKS

Arduino

<https://www.arduino.cc>

Transistor-Transistor Logic (TTL)

<https://learn.sparkfun.com/tutorials/logic-levels/ttl-logic-levels>

Analog-to-Digital Conversion (ADC)

<https://learn.sparkfun.com/tutorials/analog-to-digital-conversion>
<https://www.arduino.cc/en/Reference/AnalogRead>

Pulse-Width Modulation (PWM)

<https://learn.sparkfun.com/tutorials/pulse-width-modulation>
<https://www.arduino.cc/en/Tutorial/SecretsOfArduinoPWM>

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