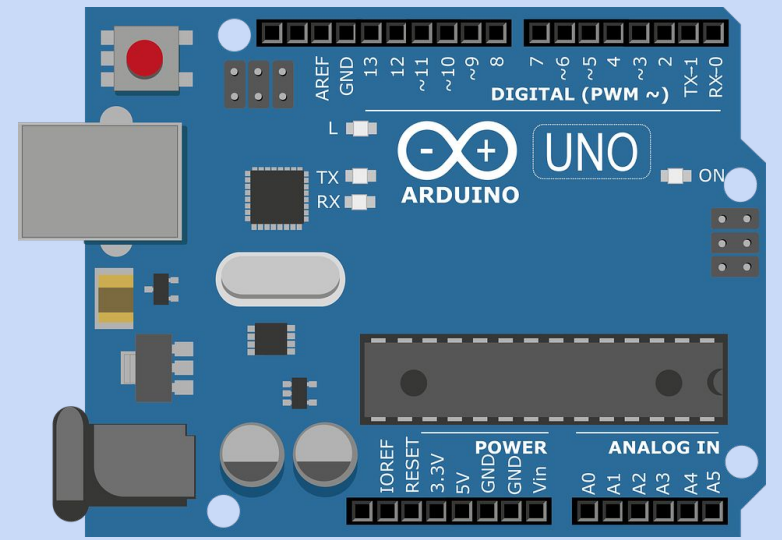


ARDUINO UNO



The arduino uno is a microcontroller that can run code and can be connected to a bread board. Components such as resistors and LEDs can also be used alongside the arduino.

This microcontroller was developed in 2003 by a team of 5 people including Massimo Bazi, David Cuartielles, Tom Igoi, Gialuca Martino David Mellis. It is an open source hardware/software originally created for students. It works off a version of C++

A screenshot of the Arduino IDE (version 1.0.3) showing the 'Blink' sketch. The window title is 'Blink | Arduino 1.0.3'. The menu bar includes 'File', 'Edit', 'Sketch', 'Tools', and 'Help'. The toolbar has icons for opening, saving, and running. The sketch editor shows the following code:

```
void setup() {  
  // initialize the digital pin as an output.  
  pinMode(led, OUTPUT);  
}  
  
// the loop routine runs over and over again forever:  
void loop() {  
  digitalWrite(led, HIGH); // turn the LED on (HIGH is the  
  delay(1000);             // wait for a second  
  digitalWrite(led, LOW);  // turn the LED off by making t  
  delay(1000);             // wait for a second  
}
```

The status bar at the bottom indicates '1' and 'Arduino Uno on COM4'.

Arduinos can be used for a variety of tasks such as thermal sensors, eye tracking systems, simple/complex circuits etc. Arduinos are fantastic coding tools due to how easy they are to use.