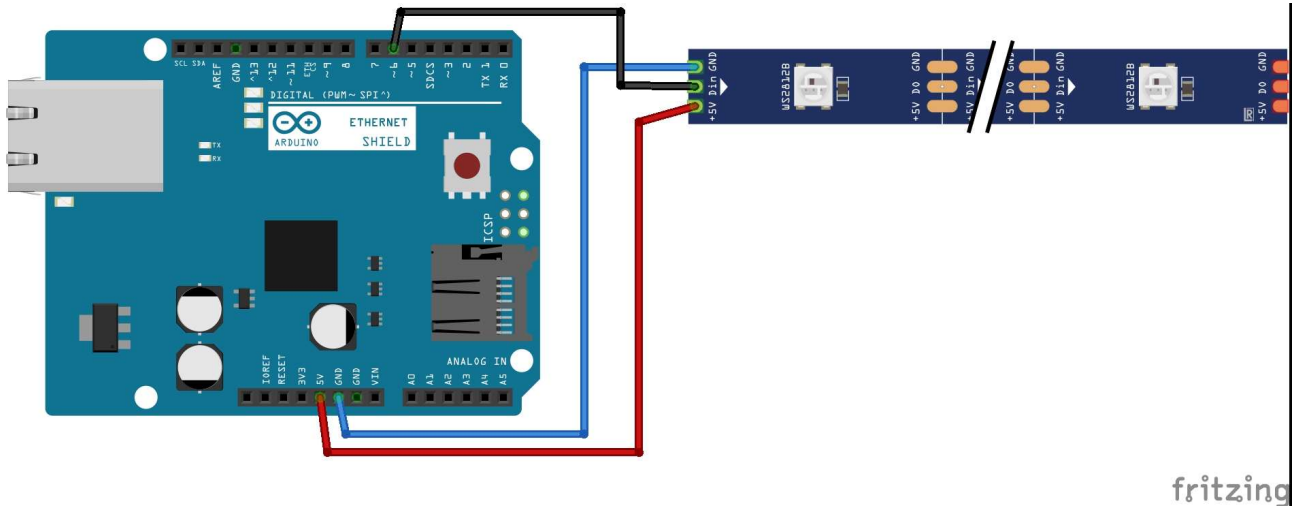


De NeoPixel is strip met heel veel ledjes, die elk verschillende kleuren kunnen krijgen. In deze les laten we een aantal LEDs (snake) langs de ledstrip wandelen.

## De schakeling



fritzing

## De code

```
#include <Adafruit_NeoPixel.h>
#define LED_PIN    6
#define LED_COUNT 41
Adafruit_NeoPixel pixels(LED_COUNT, LED_PIN, NEO_GRB + NEO_KHZ800);
#define WAIT 150

void setup() {
  pixels.begin();
}

void loop() {
  pixels.clear();

  for(int i=0; i<LED_COUNT; i++) { // For each pixel...
    pixels.setPixelColor(i, pixels.Color(150, 0, 0));
    pixels.setPixelColor(i+1, pixels.Color(0, 150, 0));
    pixels.setPixelColor(i+2, pixels.Color(0, 0, 150));
    pixels.setPixelColor(i+3, pixels.Color(0, 150, 0));
    pixels.setPixelColor(i+4, pixels.Color(150, 0, 0));
    pixels.setPixelColor(i-1, pixels.Color(0, 0, 0));
    pixels.show(); // Send the updated pixel colors to the hardware.
    delay(WAIT); // Pause before next pass through loop
  }
}
```