

VNGARD996800 Easy Module Shield V1

Sketch LED's

Met dit programma kunt u de werking van de 2 LED's en de RGB LED testen.

```
const int RED_PIN = 9;
const int GREEN_PIN = 10;
const int BLUE_PIN = 11;
const int RED_LED = 12;
const int BLUE_LED = 13;

void setup()
{
  pinMode(RED_PIN, OUTPUT);
  pinMode(GREEN_PIN, OUTPUT);
  pinMode(BLUE_PIN, OUTPUT);
  pinMode(RED_LED, OUTPUT);
  pinMode(BLUE_LED, OUTPUT);
}

void loop()
{
  cycleColors();
}

void cycleColors()
{
  // Off (all LEDs off):
  digitalWrite(RED_PIN, LOW);
  digitalWrite(GREEN_PIN, LOW);
  digitalWrite(BLUE_PIN, LOW);
  digitalWrite(RED_LED, LOW);
  digitalWrite(BLUE_LED, LOW);
  delay(1000);

  // Red (turn just the red LED on):
  digitalWrite(RED_PIN, HIGH);
  digitalWrite(GREEN_PIN, LOW);
  digitalWrite(BLUE_PIN, LOW);
  delay(1000);

  // Green (turn just the green LED on):
  digitalWrite(RED_PIN, LOW);
  digitalWrite(GREEN_PIN, HIGH);
  digitalWrite(BLUE_PIN, LOW);
  delay(1000);

  // Blue (turn just the blue LED on):
  digitalWrite(RED_PIN, LOW);
  digitalWrite(GREEN_PIN, LOW);
  digitalWrite(BLUE_PIN, HIGH);
  delay(1000);
}
```

```
// Yellow
digitalWrite(RED_PIN, HIGH);
digitalWrite(GREEN_PIN, HIGH);
digitalWrite(BLUE_PIN, LOW);
delay(1000);
```

```
// Cyan
digitalWrite(RED_PIN, LOW);
digitalWrite(GREEN_PIN, HIGH);
digitalWrite(BLUE_PIN, HIGH);
delay(1000);
```

```
// Purple
digitalWrite(RED_PIN, HIGH);
digitalWrite(GREEN_PIN, LOW);
digitalWrite(BLUE_PIN, HIGH);
delay(1000);
```

```
// White
digitalWrite(RED_PIN, HIGH);
digitalWrite(GREEN_PIN, HIGH);
digitalWrite(BLUE_PIN, HIGH);
delay(1000);
```

```
// Off (RGB LED off):
digitalWrite(RED_PIN, LOW);
digitalWrite(GREEN_PIN, LOW);
digitalWrite(BLUE_PIN, LOW);
```

```
// Red LED 12
digitalWrite(RED_LED, HIGH);
digitalWrite(BLUE_LED, LOW);
delay(1000);
```

```
// Blue LED 13
digitalWrite(BLUE_LED, HIGH);
digitalWrite(RED_LED, LOW);
delay(1000);
}
```