

# Interfacing with Sensors

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## E.E. Graded Activity 6

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LED Interfacing with Arduino

Design and implement different patterns using different colors of LEDs, vary on / off sequence and duration. Add document with Code (with comments), Connection diagram on Tinkercad, Video of implementation.

**Code:**

```
// C++ code
```

```
//
```

```
void setup()
```

```
{
```

```
    pinMode(13, OUTPUT);
```

```
}
```

```
void loop()
```

```
{
```

```
    digitalWrite(13, HIGH);
```

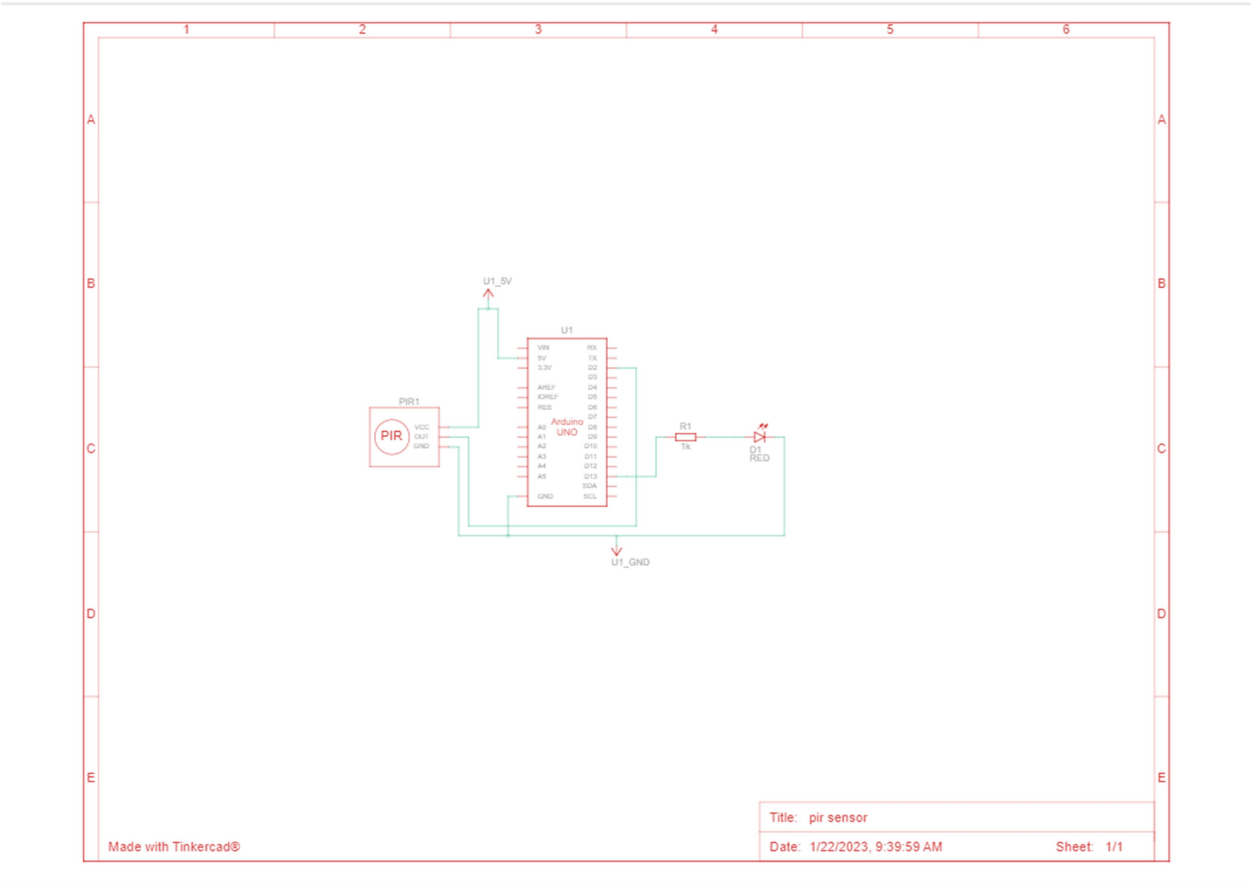
```
    delay(5000); // Wait for 5000 millisecond(s)
```

```
    digitalWrite(13, LOW);
```

```
    delay(5000); // Wait for 5000 millisecond(s)
```

```
}
```

Connection diagram: (Schematic view)



Connection diagram: (Circuit view)

