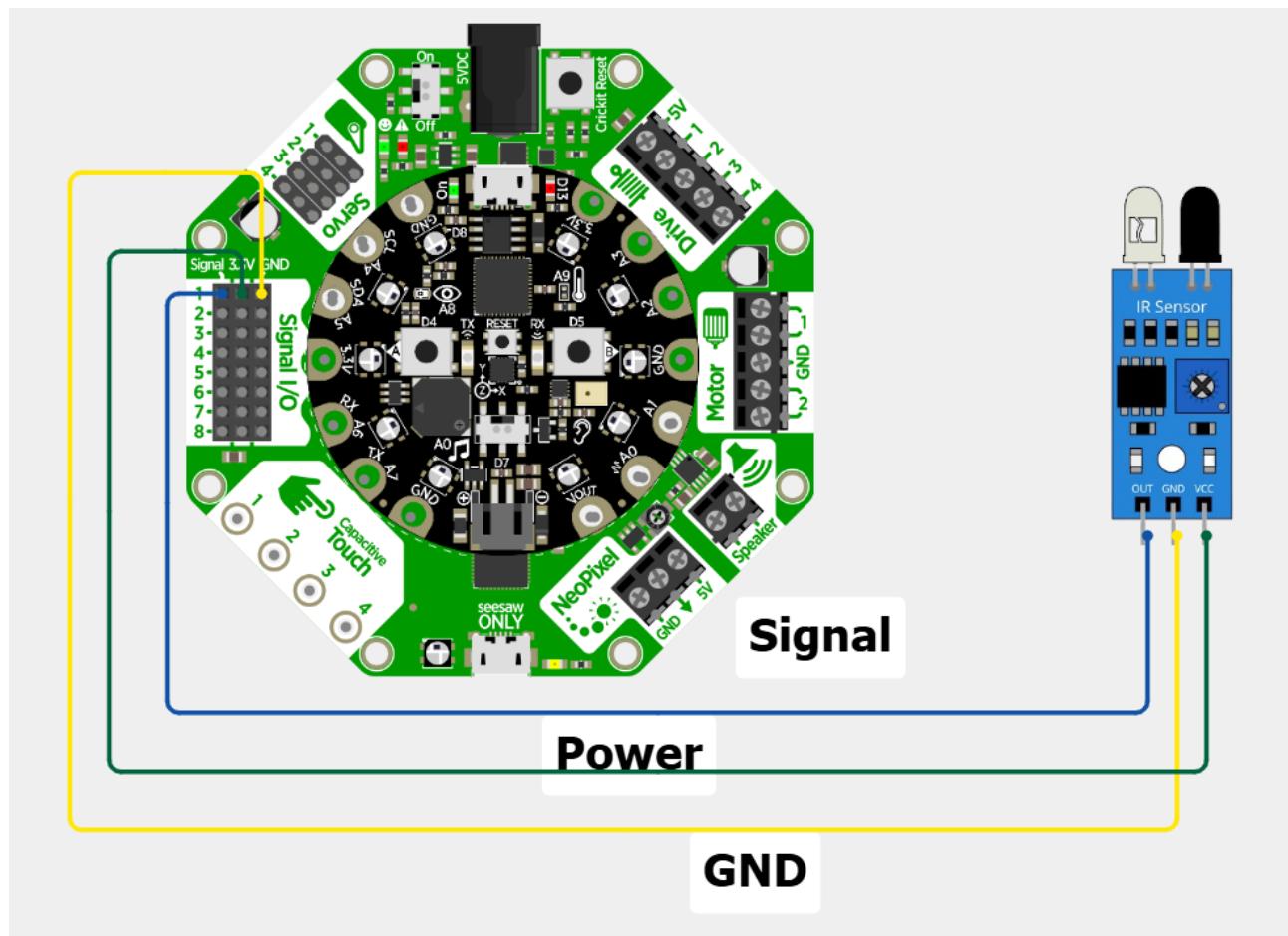


# IR-InfraRed Light

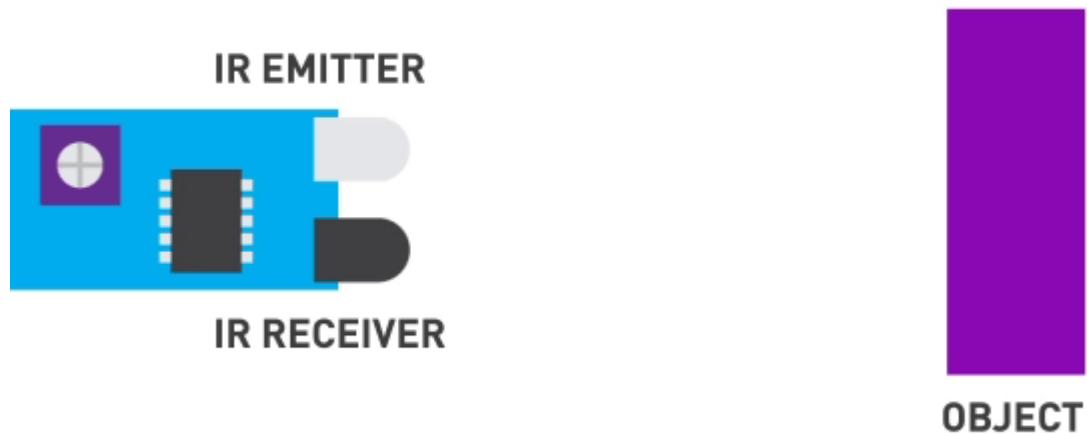
## Explanation of IR:

- An **IR sensor** is a device that uses **infrared light** to sense objects, distance, heat, or movement.
- Human eyes cannot see infrared light, but this sensor can detect it.
- All objects emit some infrared radiation if they are warmer than absolute zero.
- Has two parts:
- **IR LED (emitter)** → sends out IR light
- **Photodiode (receiver)** → detects reflected IR light

## Connection of IR:



# How transmitter and receiver works:



Learn about obstacle detection.

