

Components Required:

- Arduino Uno
 - Breadboard
 - Photodiode
 - 220Ω Resistor
 - Connecting Wires
 - Tinkercad Simulation Software
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Working Principle of Photodiode:

- A **photodiode** converts light into an electric current.
 - When light hits the diode, its **resistance decreases** and current flows.
 - **More light = higher sensor value, less light = lower sensor value.**
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