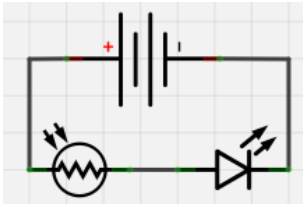
Light Sensor

Discover
There is a special type of resistor that changes its value based on the amount of light it sees.
That is, a circuit with this Light Dependent Resistor (LDR) will change in light or shade.

Learn
As the LDR gets more light, it's resistance decreases, taking less voltage/current. Conversely covering the LDR from light increases its resistance to it's maximum value (no light).

Apply
Similar to ELEC1-LED_Out, build a circuit that starts from +5V, goes through a LDR, then the +side of LED (**longer leg**), finally back to the power source's ground (GND).
Be sure to verify all wires when checking the circuit.



Teach
Find another who is using the LDR, does their LED shine similarly to yours?
Share some ideas for applications of LDR's or experimenting with them, then try modifying/expanding the circuit to incorporate these ideas/experiments.

Discover
The Arduino can be used to get an indication of light via an LDR, this is done using analogue inputs (ARD2-LDR_In)