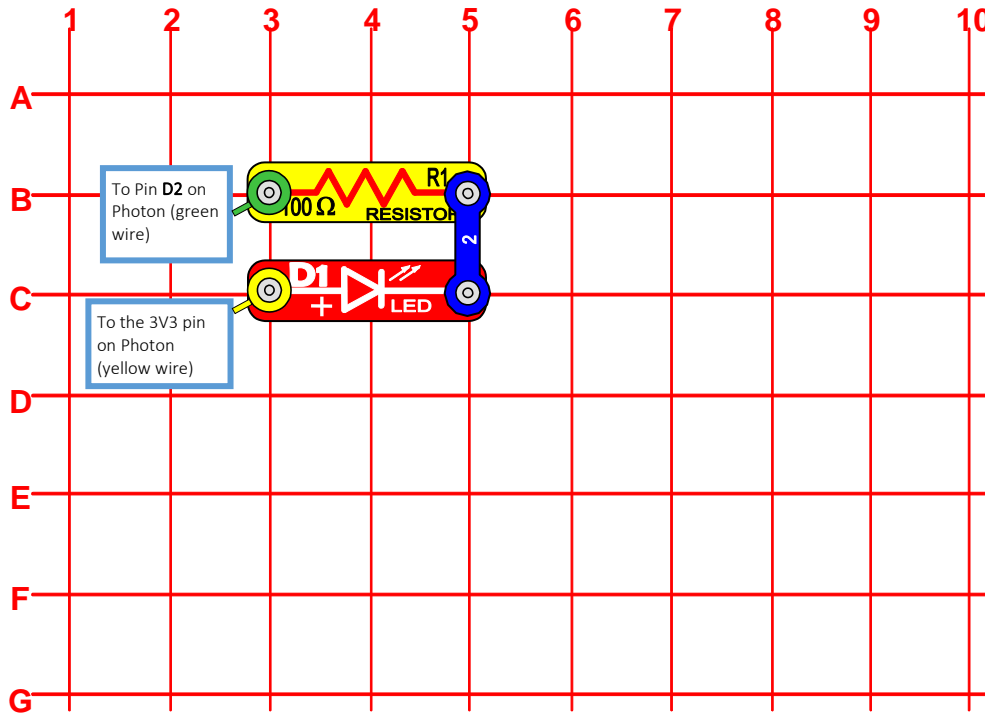


Internet LED



OBJECTIVE: To show how to use a Photon and Tinker to turn an LED on and off from your smartphone.

Parts List

Quantity	ID	Name	Part #
1		Base Grid Base Grid (11 x 7.7)	6SCBG
1		2-snap wire	6SC02
1	D1	Red LED	6SCD1
1	R1	100 Ω Resistor	6SCR1
2		Snap-to-Pin wire (green and yellow)	SCJW10

Step by Step Guide

- 1) Snap component **R1** between position **B3** and **B5**
- 2) Snap component **D1** between **C3** and **C5**
- 3) Snap a 2 snap wire over the components between **B5** and **C5**
- 4) Connect the snap end of a **yellow** wire onto the component at position **C3**
- 5) Plug the male pin end of the **yellow** wire from step 4 into the **3V3** pin on the Photon board
- 6) Connect the snap end of a **green** wire onto the component at position **B3**
- 7) Plug the bread board end of the **green** wire from step 6 into the **Pin D2** on the Photon board
- 8) Open the Tinker application on your smartphone
- 9) Choose Get Started and select your Photon board in the UI
- 10) Click the **D2** button and select **digitalWrite**
- 11) Click the D2 button to turn the LED on and off