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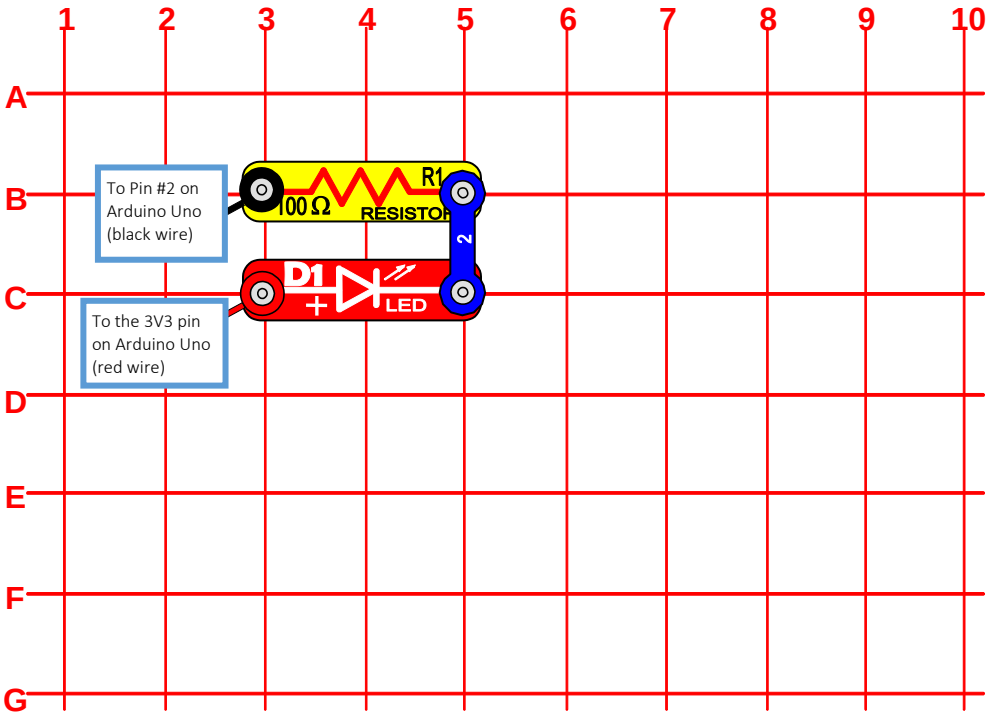
Project #1

Blinking LED



OBJECTIVE #1: To show how to use an Arduino sketch to blink an LED.

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 (red and black)	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 red wire onto the component at position **C3**
5) Plug the male pin end of the red wire from step 4 into the **3V3** pin on the Arduino Uno board
6) Connect the snap end of a black wire onto the component at position **B3**
7) Plug the bread board end of the black wire from step 6 into the **Pin #2** on the Arduino Uno board
8) Open the sketch for project #1 in the Arduino IDE and upload it to the board. Your LED will begin to blink