Getting to know the breadboard

Connected

Connected

Connected

Wire

Not connected

Not

Not

Our first circuit

9V battery

Wire

LED

1k Ohm Resistor

Button

These wires connect the two "busses" on either side of the board

Two LEDs

9V
battery

Wire

LED

LED

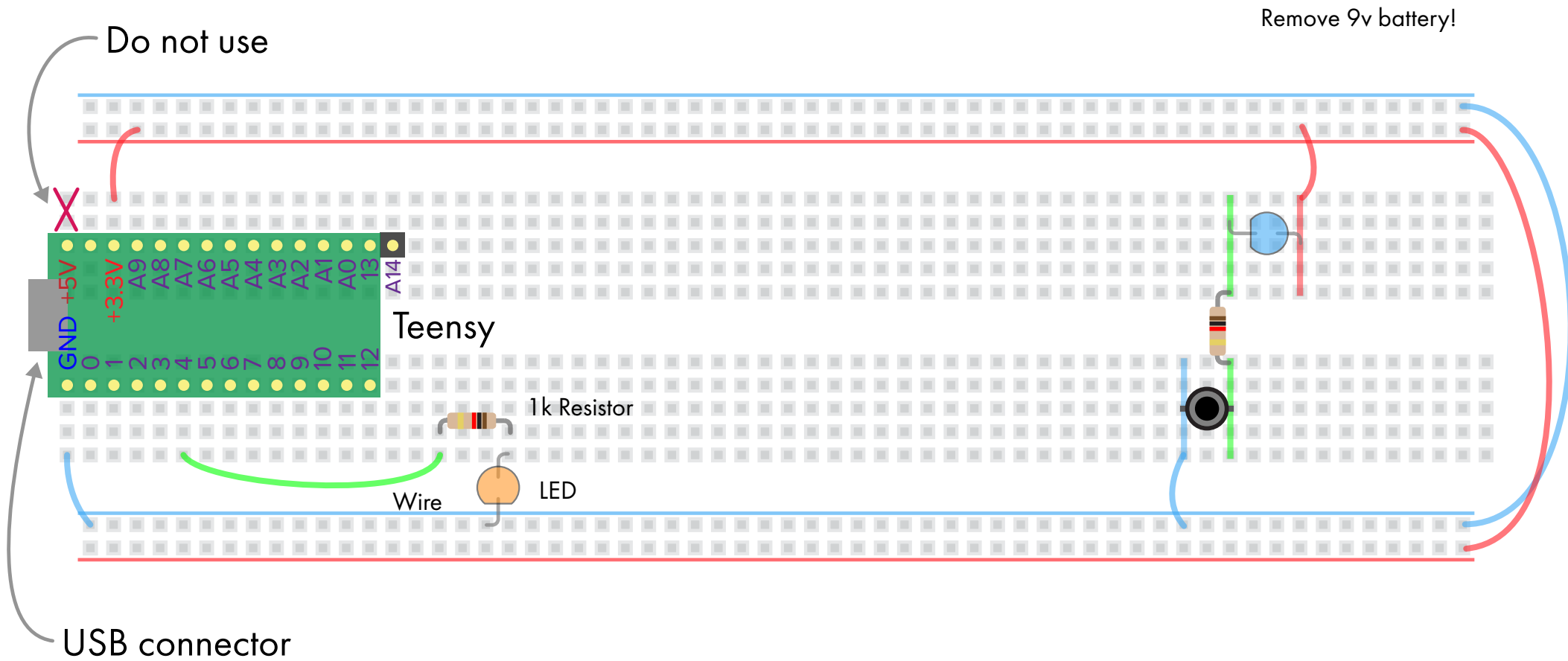1k Resistor

1k Resistor

Button

Button

LED

Arduino / Teensy

Do not use

Remove 9v battery!

+5V
+3.3V
GND

A9
A8
A7
A6
A5
A4
A3
A2
A1
A0
13
A14

Teensy

0
1
2
3
4
5
6
7
8
9
10
11
12

1k Resistor

Wire

LED

USB connector
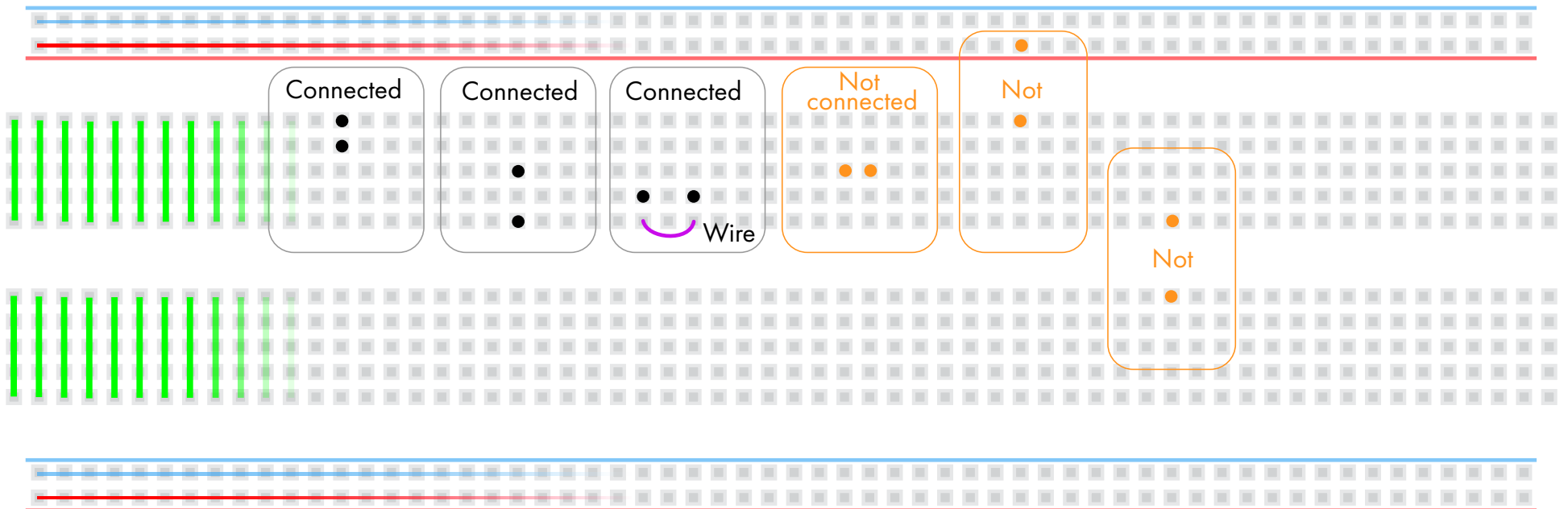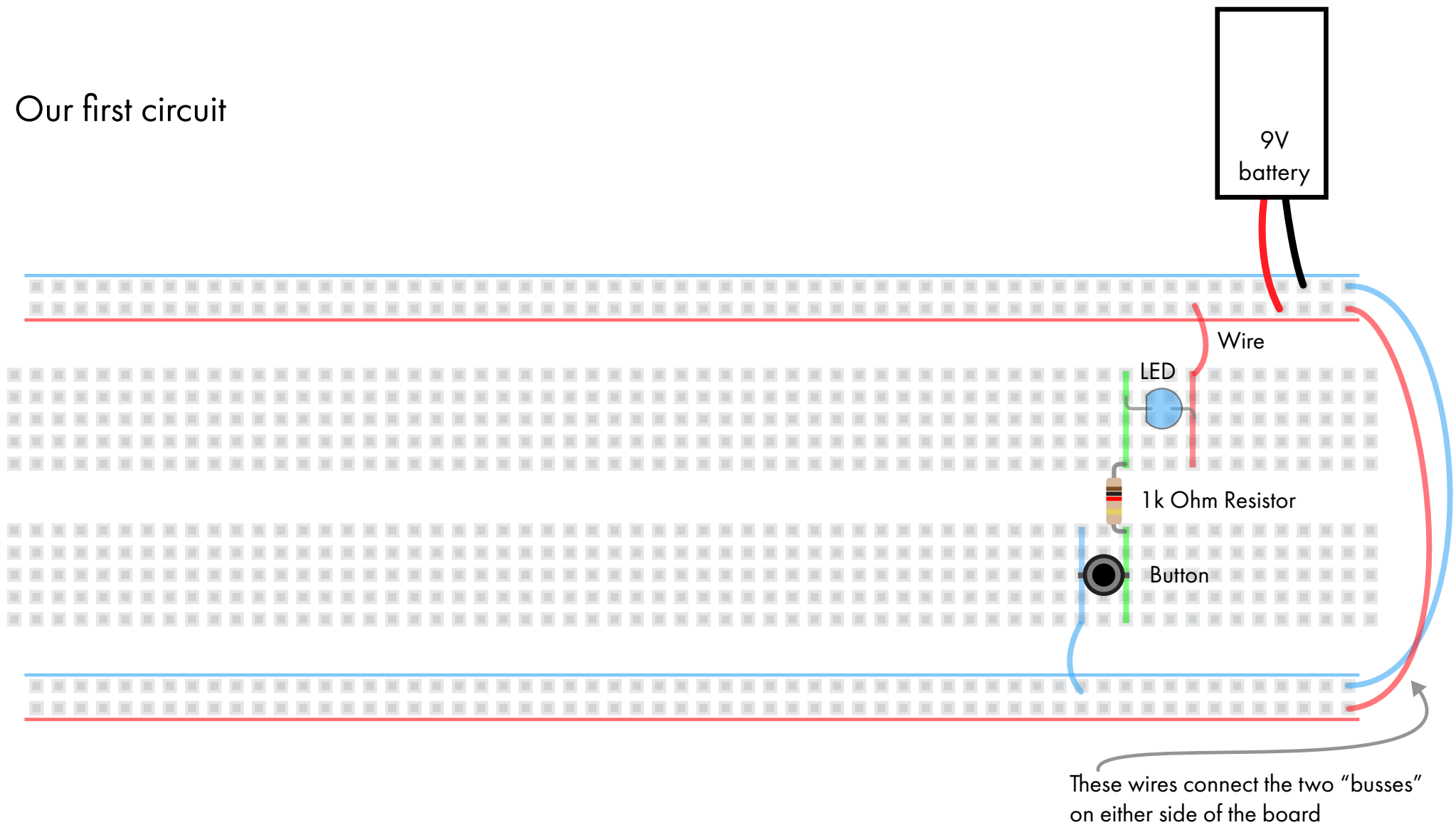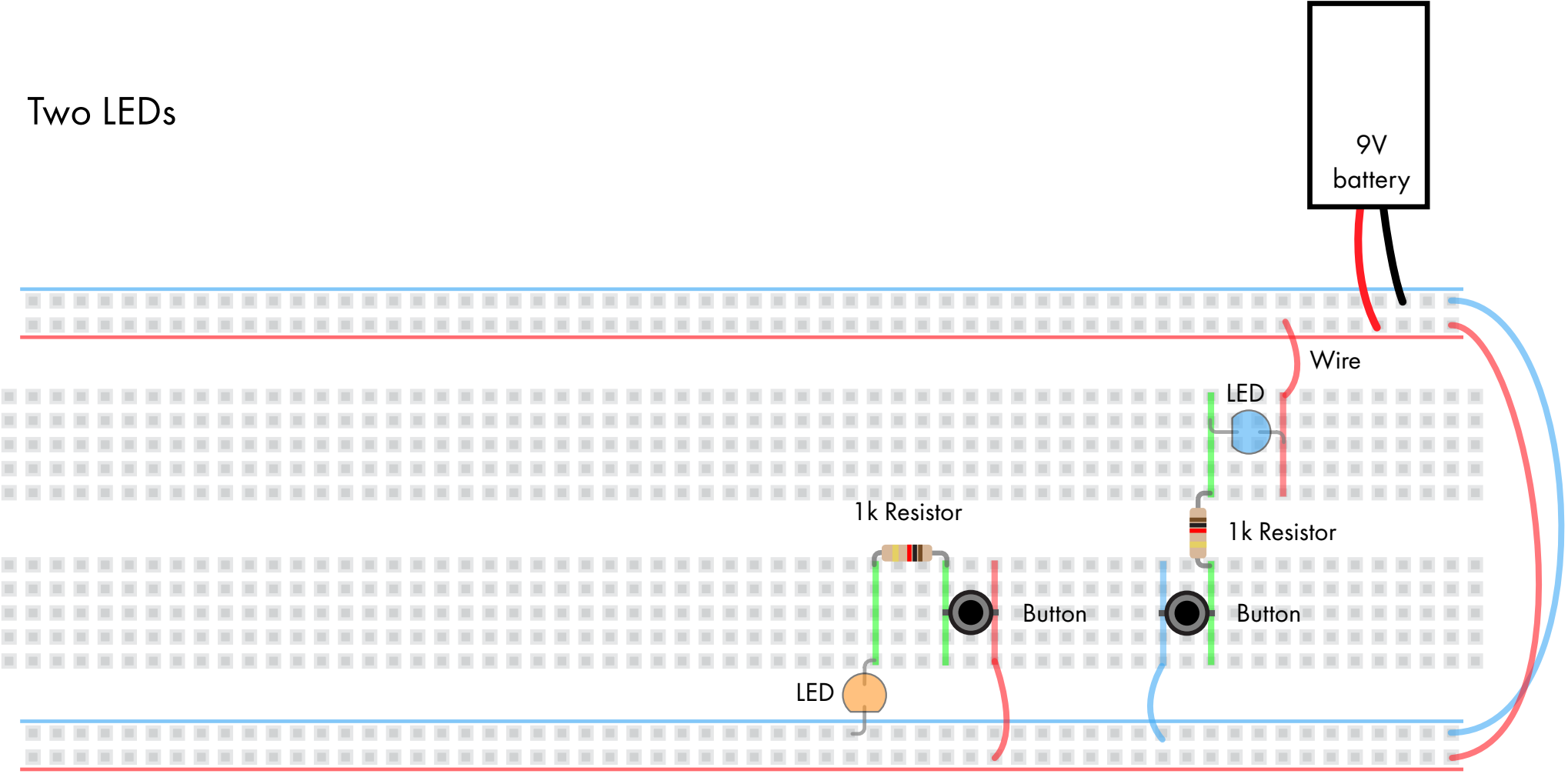
Code controlling two LEDs

GND
+3.3V A9 A8 A7 A6 A5 A4 A3 A2 A1 A0 13 A14
0 1 2 3 4 5 6 7 8 9 10 11 12

1k Resistor

LED

Analog Read

Pins on this side are
not connected to the others

Potentiometer

GND +3.3V A9 A8 A7 A6 A5 A4 A3 A2 A1 A0 13 A14

0 1 2 3 4 5 6 7 8 9 10 11 12