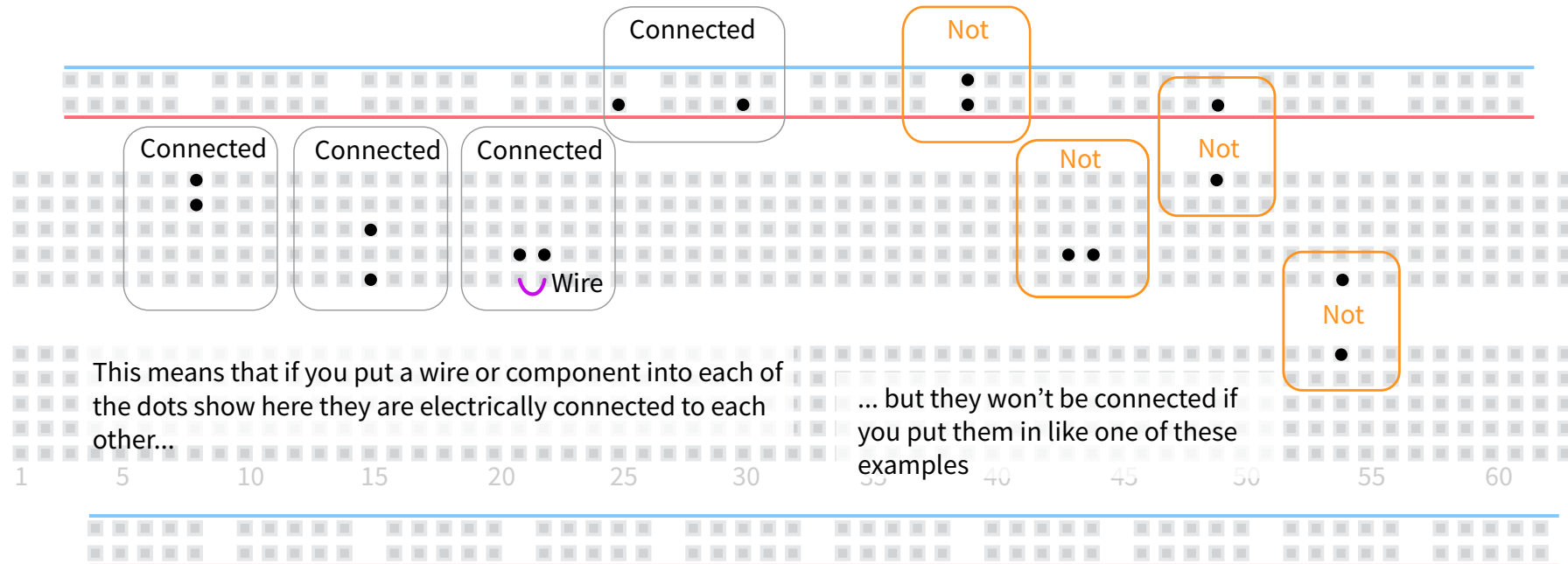


Breadboards make it easy to assemble electronic circuits without soldering

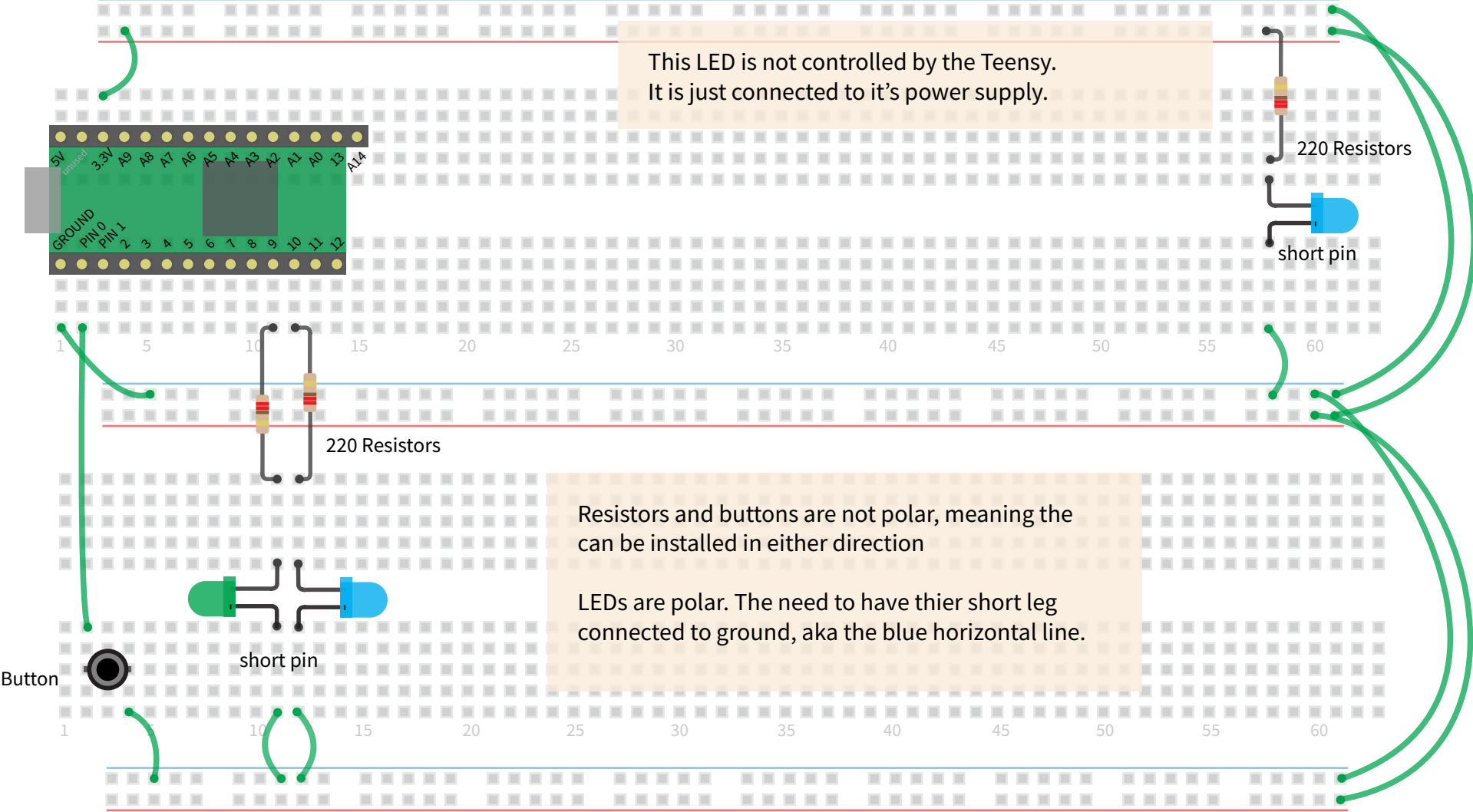
The holes on a breadboard are connected as show with the colored lines.
 The vertical strips on either side of the central gap are connected in groups of five.
 The horizontal red and blue “bus” lines are connected all the way across the board.



This means that if you put a wire or component into each of the dots show here they are electrically connected to each other...

... but they won't be connected if you put them in like one of these examples

Setup 1 for code:
Class 2 - 1 One button and two LEDs.ino



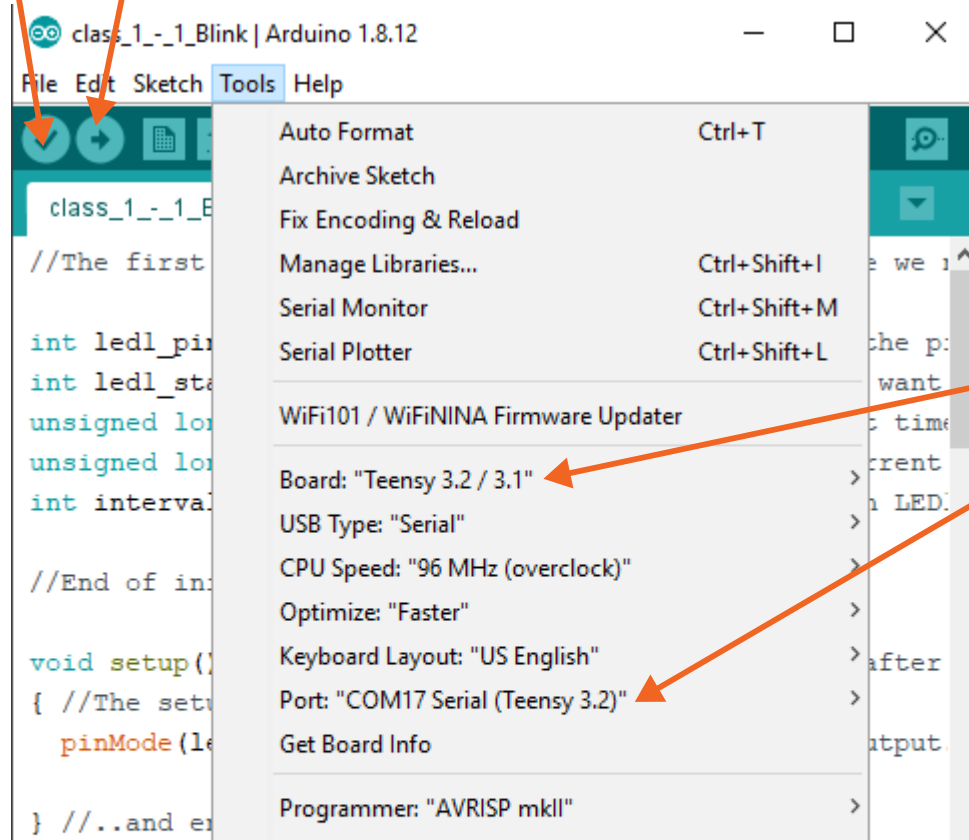
The Arduino IDE is how we'll code and communicate with the teensy

Verify

Check that the code doesn't have any errors and can compile but don't upload it.

Upload

Compile the code and put it on your device



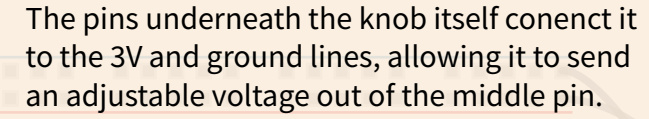
Before you can upload your code you must select the teensy board and the port it is connected to

Go to Tools and select Teensy 3.2/3.1 under board.

Plug your device in to USB and select whatever port shows "Teensy" on it.

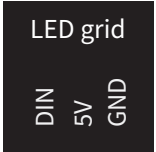
You don't need to worry about the rest for now.

Class 2 - 2 pots with LEDs.ino



All pins can send and receive digital signals

Setup 3 for code:
Class 2 - 3 LED grid start.ino



Only a few pins work with the LED grid communication.

Grey wires are already installed

