

**Useful Code Blocks**

Click the letters to change them to A, B, C or D

HI is the same as on

LO is the same as off

Loops can be very useful if you want to repeat code

How long do you want your lights to stay on or off for?

The image shows a Scratch code block palette with the following blocks: a red 'program start' block, two blue 'set A' blocks (one with 'HI' and one with 'LO'), an orange 'do forever' loop block, and an orange 'wait 1 seconds' block. Arrows point from the text 'Click the letters to change them to A, B, C or D' to the 'A' in both 'set A' blocks. Another arrow points from 'LO is the same as off' to the 'LO' block. A bracket groups the 'do forever' and 'wait 1 seconds' blocks with the text 'Loops can be very useful if you want to repeat code'. A final arrow points from 'How long do you want your lights to stay on or off for?' to the 'wait 1 seconds' block.

**Wiring**

Any light can be joined to either A, B, C or D

The image shows a wiring diagram for a Crumble Playground Traffic Lights project. A Crumble Playground board is connected to a traffic light module. The board's USB port is connected to a PC. The board's power pins are connected to the traffic light module's power pins. The board's motor pins are connected to the traffic light module's motor pins. The board's light pins are connected to the traffic light module's light pins. The text 'Any light can be joined to either A, B, C or D' is written next to the wiring diagram.

# Crumble Playground Traffic Lights

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