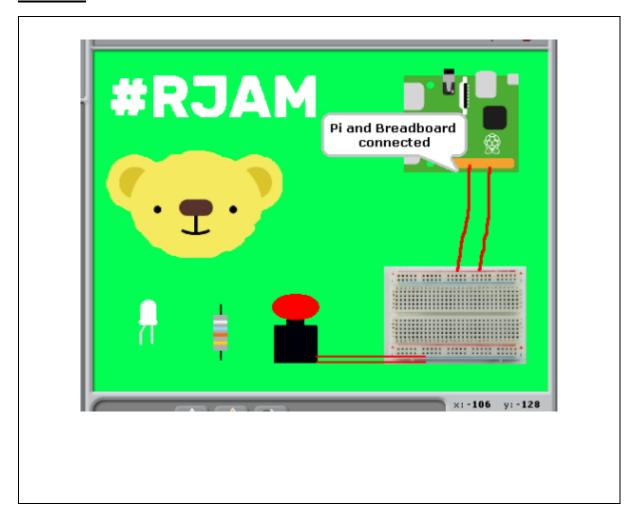
Virtual Jam 'Scratch 1.4': Lighting the Virtual LED

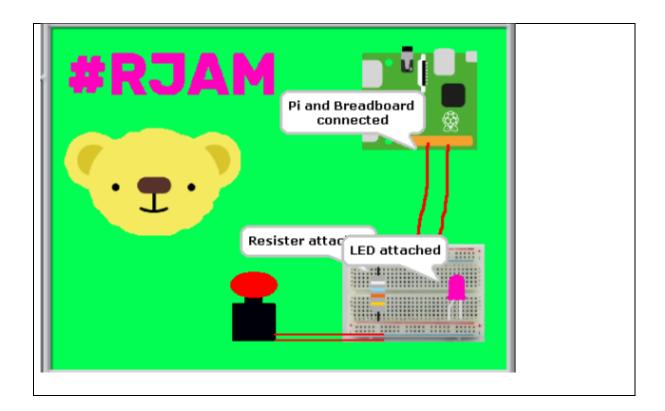
Here is a simple Scratch 1.4 worksheet on how to create a "Virtual Light up LED" with the necessary big red button. You will need to download the template Scratch file from here <u>Link</u>.

The idea is the code will allow you to connect the wires, led and resister as below and you can virtually create your own lights show.

Extension: ADD MORE COLOURED LEDS.

In action





Resister

```
when clicked

forever

if touching BreadBoard ?

say Resister attached for 2 secs
```

#RJAM

```
when I receive Blue v

when I receive Pink v

switch to costume Pink v

when I receive Red v

switch to costume Red v

when I receive Yellov v

switch to costume Yellov v

when A clicked

switch to costume White v
```

<u>LED</u>

```
when clicked

forever

if touching BreadBoard ?

say LED attached for 2 secs

when Clicked

forever

if touching color ?

switch to costume White v

when I receive Yellov v

when I receive Blue v

switch to costume Blue v

when I receive Pink v

when I receive Red v

switch to costume Red v
```

Button

```
when Button clicked
broadcast Red v
wait 1 secs
broadcast Pink v
wait 1 secs
broadcast Blue v
wait 1 secs
broadcast Yellow v
wait 1 secs
```

Wires

```
when clicked

forever

if touching Pi ? and touching BreadBoard ? :

say Pi and Breadboard connected for 2 secs
```