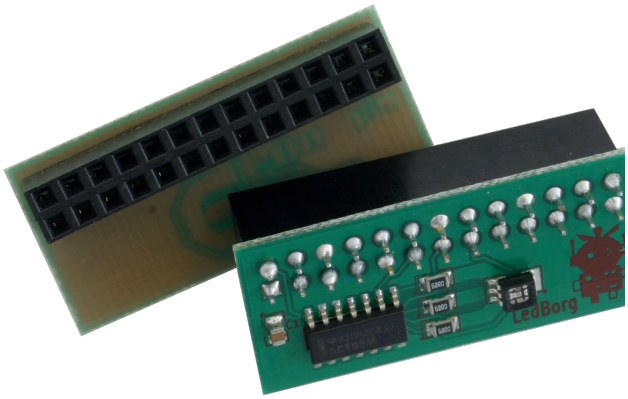
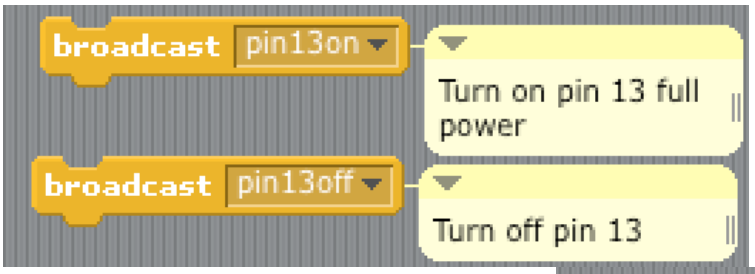
LEDBorg



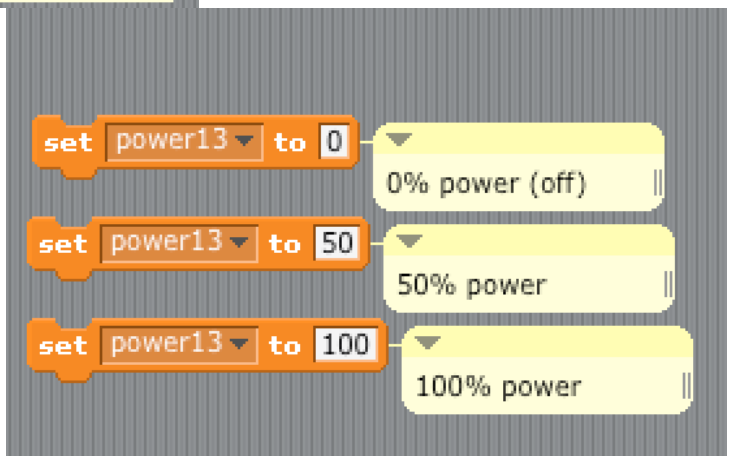
The LEDBorg is a small PCB that slots onto the GPIO header on the Raspberry Pi. It contains an RGB (Red, Green, Blue) LED. When the colours are combined with the LED, a full range of colours can be produced.

The LEDBorg uses 3 GPIO pins on the Raspberry Pi,
Pins 11, 13, and 15.
Each of these pins controls a single primary colour, **Red**, **Green** and **Blue**



Fully on or fully off, use a broadcast
E.G. to turn pin 11 completely on, use pin11on

To change the brightness of the colours, create a variable naming it power followed by the pin number
e.g. power15 will set the power for pin 15
You can set these to any number between 0 (fully off) and 100 (fully on)



Tasks

1. **Figure out which of the 3 pins controls each colour** *(Pin 11, 13 and 15)*
2. **Bring each different primary colour on one after each other**
3. **Secondary colours**
    a. **Create purple**
    b. **Create white**
4. **Light show! – Develop a creative multi-coloured light show!** *Hint – The wait block may be helpful*