



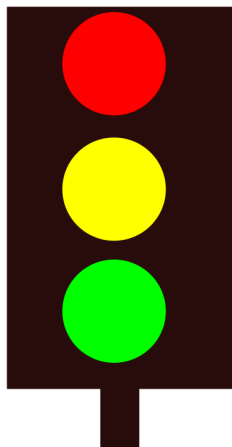


## Traffic Light Algorithm

Wait 10 seconds	
Turn red on	
Turn amber on	
Turn red off	
Turn amber on	
Turn green off	
Turn green on	
Turn amber off	
(Repeat all forever)	
Wait 3 seconds	
Wait 10 seconds	
Turn amber off	
Wait 3 seconds	



code-it.co.uk

## Step One

### Creating an algorithm

- Cut out the algorithm instructions
- Watch the traffic lights
- Working with a partner can you get the instructions into the right order?
- Check the order with your teacher
- Stick them on

## Step Two

### Algorithm to code

- Collect your crumble, wires & traffic light crumb
- Use the traffic light card to help you wire it up correctly
- Load Crumble software to convert your algorithm into code
- Test & debug