

Lights On!

Find the other blocks in EVENTS and CONTROL, as normal.

The screenshot shows the Scratch code editor with the InO-Bot extension installed. The left sidebar shows the 'More Blocks' category selected. The main workspace contains a custom block sequence for the InO-Bot. The sequence includes: 'Set LED 1 to Red', 'Set All LEDs to Blue', 'Set All LEDs to RGB 0 0 0', 'Set LEDs 0 to RGB 0 0 0', 'White LED Both to 10', 'Forward Medium', 'Reverse Medium', 'Stop motors', 'Forwards Medium for 10 cm', 'Reverse Medium for 10 cm', 'Spin Left Medium by 45 deg', 'Spin Right Medium by 45 deg', 'External connector Stop', 'Pen Down', and 'Play sound 0'. A callout box points to the 'More Blocks' category, and another callout box points to a custom block sequence in the workspace. The custom block sequence consists of: 'when space key pressed', 'Set All LEDs to Blue', 'wait 0.25 secs', 'Set All LEDs to Off', and 'Play sound 3'.

Get the InO-Bot blocks by clicking on MORE BLOCKS.

This block coding will make the InO-Bot's blue lights flash followed by a sound effect.

Add more blocks to make the sequence:

Blue lights...wait ...red lights...wait.... lights off... play sound.

Could you work out how to add other colours into the sequence?

Could you change the sound effect? Click on the **SOUNDS** tab and select or record a sound.

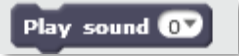
Why do we need **WAIT** between each colour change?

What is the purpose of the **SET ALL LEDS to OFF** block?

Could you use a **REPEAT** block? (In CONTROL)

CHALLENGE: Can you code this so it uses **more than 4 colours** in sequence?

What happens if you **add** in this block? **Where** could you add it?

Could you select a **different** sound? Could you record a sound? How is the first block different to this block  ? How many sounds could you have?