KIBO Sunflower

Conditionals with the Light Sensor

KIBO 18+
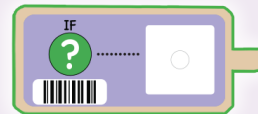
Sunflowers turn to face the sun. Using the IF and END IF blocks, we can make our KIBO sunflower turn when the light shines.

The IF and END IF blocks let us create conditional behavior: KIBO will take action only if the sensor tells it to.

With the LIGHT and DARK parameters, we can create a conditional statement controlled by the light sensor.

Build:

Attach KIBO's eye. No wheels needed!

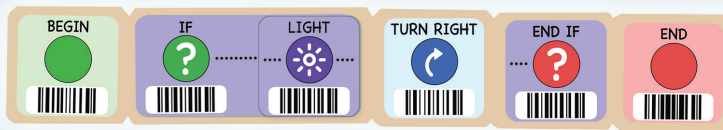# Make:

Decorate your KIBO sunflower!

Use a motor to connect the art stage.

1 2
3 4

Code:

If the sun shines on our flower, it will turn.

BEGIN	IF	LIGHT	TURN RIGHT	END IF	END

Play:

What does KIBO do when we run the program in the dark, or in the light?

What else might our flower do when the sun shines?

SHAKE

SPIN

How does the program change with the DARK parameter?

DARK