institute of imagination

What will your robot do?

I want to build a robot that

_____ and _____

what it senses | what it does

It senses

senses light
a torch, or the room going dark

hears a sound
a clap, a cheer, a shout

feels a tilt
left, right, forwards, back

feels a shake

feels a touch
on the gold logo

gets a button press
A, B, or both

feels a magnet
near or far

knows which way it faces
north, south, east, west

feels hot or cold

gets a message
from another micro:bit

and it

waves, nods or shakes
a 180 degree servo

spins round and round
a 360 degree servo

shows a picture or a word
the 25 lights

plays a sound or a tune
the speaker

sends a message
to another robot

Pick one from each side. Or two. Or three.

What we have made so far, to get you started. Yours will be different.

POMPOM CHEERLEADER ROBOT

A robot that **senses light** and **shakes its pompoms**.

MICRO:BIT NAME BADGE

A badge that **gets a button press** and **shows an animation and your name**.