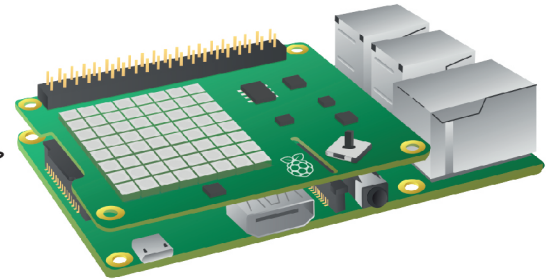# ASTRO PI

Are you an aspiring astronaut or curious about space exploration?

This year, British ESA astronaut Tim Peake will be going into space to live on the International Space Station for 6 months. Imagine what it is like for astronauts aboard the International space station. What would be most different from being at home on earth? What might you miss? What would you do if you were on the ISS?

This is a Raspberry Pi and an Astro Pi board that will be going up to the ISS with Tim Peake this year.
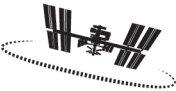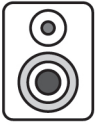
It has the following inputs, sensors and outputs on it...
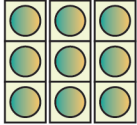
INPUTS

Joystick Camera

Push Button

SENSORS

Temperature Movement

Humidity Pressure

OUTPUTS

Speaker LED Matrix

Tim can use the Raspberry Pi and Astro Pi to complete some experiements, but he can also use them to entertain himself and others too so that he doesn't miss his family and friends too much. Can you think of any ideas for ways to use the inputs, sensors or outputs on the ISS? Think outside the box to create an experiment, an app, or even a fun game such as Pac-Man. Draw and label your ideas in the box below:

My idea and description:
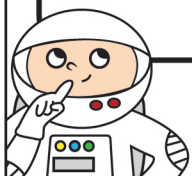
Why not enter this idea into the Astro Pi Competition by visiting astro-pi.org?
If you win, you will get the chance to send your code to space!