

Longlevens Library Code Club

Internal Space Station Coding Challenge February/March 2019



This is a chance to create a short computer program that will be run in space on a Raspberry Pi computer onboard the International Space Station. The Raspberry Pi will be used to tell the astronauts what the temperature is inside the space station. You will also be able to write a short message to them along with the value of the temperature sensor on the Raspberry Pi's "Sensor Hat", an additional electronic circuit board that plugs into the Raspberry Pi which is very similar to the Raspberry Pi computers we use in the club.

You need to complete and submit your code no later than the last Code Club before 20 March 2019. (Please note this may be 9 March 2019.)

Instructions

1. Please read through the "Astro Pi: Mission Zero" web information:

<https://projects.raspberrypi.org/en/projects/astro-pi-mission-zero>

2. Form teams of 2, 3 or 4 and decide on a team name.

3. In your teams start writing and testing your code at:

<https://trinket.io/mission-zero>

4. Once you have completed your code, demonstrate it to one of the Code Club Volunteers. If they agree it is ready to be submitted, the volunteer will give you the codeword needed. Enter it on the web page under your code and then press click on "Continue To Form" and complete the details requested. These details will be used on the certificates that will be emailed to one of the volunteers after the code has been used in May.

What happens Next?

All submissions that are correctly submitted will be uploaded and run on a Raspberry Pi computer onboard the International Space Station in May.

Certificates will be issued to all those whose code was run onboard and emailed to one of the volunteers. The volunteers will arrange for you to collect your certificate.