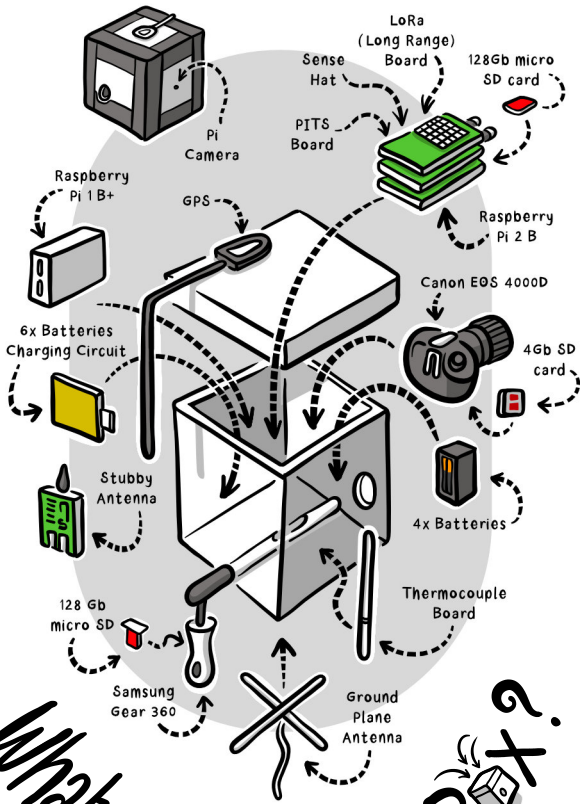


The Lost Box

After a year of careful planning we launched this box into space

Let me tell you all about the most incredible adventure I had last year...

...I travelled into the vast unknown with the hope of gathering all sorts of interesting data



What is in the Box?

Timeline of key events

2018 2019

Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

26th Original spark. Byrne and Malandain talk about the idea of something ambitious.

27th Vella, Malandain and Clarke are on board.

19th Raspberry Pi turning point: could we stream pictures, video and data?

28th PITS board (Raspberry Pi with radio capabilities) makes the project possible.

4th First team meeting and provisional equipment list identified.

9th School Open Evening: prototype demo display.

15th LoRa (Long Range) Bandwidth testing problems.

32nd The Tiny Troublesome Pi Camera arrives.

15th First Payload Box arrives: the mug-sized cube was too small.

16th 360 camera arrives for first tests.

18th Successful first radio transmission using the RTTY (radioteletype) protocol.

30th Black Friday online deal: EOS 4000D ordered.

22nd Vella takes the 360 camera for testing on school ski trip. 38 minute shut-down issue identified.

4th First consideration of using a ground plane antenna.

9th Transmission testing between Goring Gap and Worthing Pier failure. No signal detected.

8th Payload weight landing test (polystyrene everywhere).

19th Landing at Sea' idea considered: discussion with Shoreham Lifeguards.

Exam Focus

9th Payload calculations made. Helium ordered.

6th Coordinates and picture sent in successful ground plane antenna test at Hghdown.

(Additional thanks: The Governors Michael Smith Richard Challiner Father Chris Ingle Adam Powell William Clarke)

We asked year 5 and 6 students what they thought



Meet the Team

