

Online Learning: Tuesday 19th January 2021

Years 3 & 4

Continuing our topic of space here are today's tasks!

Today, we'd like you to:

1. If these are the answers what could the questions be?

- It must orbit a star (in our solar system, this is the Sun) it has to be roughly spherical in shape. It must be big enough that its gravity is big enough to clear away any other objects of a similar size near its orbit around the Sun.
- 150 million km.
- A dog called Laika.



2. The temperatures on other planets are a lot different to ours. Some are positive numbers, and some are negative numbers. Have a look at this video explaining temperature, then order these temperatures from the coldest to the warmest.

Planet	Average Temperature (°C)
Mars	-55
Mercury	167
Venus	449
Neptune	-223
Earth	7.2
Uranus	-184
Jupiter	-153
Saturn	-184

<https://www.bbc.co.uk/bitesize/topics/znwj6sg/articles/zxthnbk>

3. Returning to Earth from a Space mission can be really complicated. Watch this video to see how it's done.

<https://www.bbc.co.uk/bitesize/topics/zdrd2p/articles/zq3hycw>

Now create a parachute from materials around the house to hold and land an egg safely after being dropped from 2 meters. Have a look at this video for some ideas.

<https://www.bbc.co.uk/teach/class-clips-video/science-design-and-technology-ks2-harnessing-air-resistance-with-parachutes/zjps382>

Email photographs of your work (or documents if completed on a computer) to your teacher:

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