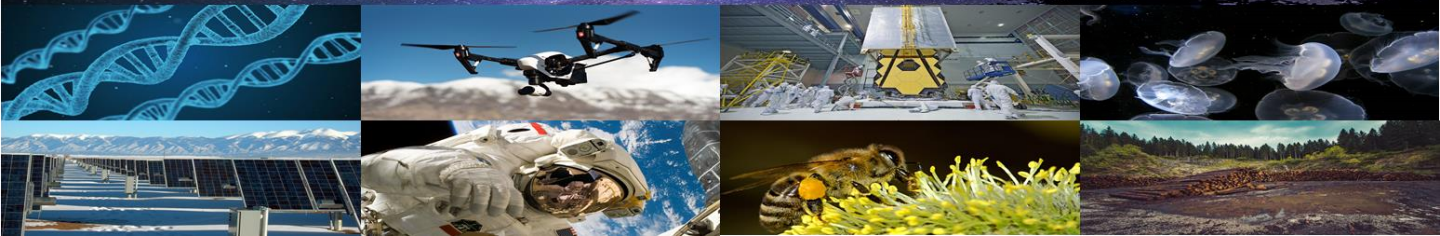
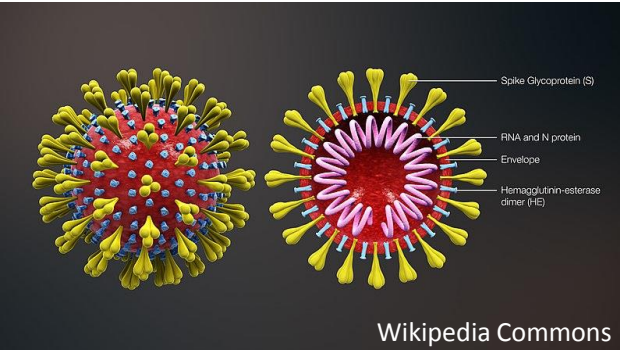


# TOPICAL SCIENCE UPDATES



## Coronavirus Outbreak

February 2020



On the 31st December 2019, a few cases of a flu-like illness were reported to the World Health Organisation by health officials in the city of Wuhan in China.

Fast forward to the 2<sup>nd</sup> February 2020 and there are nearly 20000 cases confirmed in 26 different countries; and over 300 deaths caused by the illness; another 50 million Chinese residents have spent a week in quarantine already.

But what is a virus? And why are they so deadly? How do they spread so quickly round the world and what can be done to stop them?

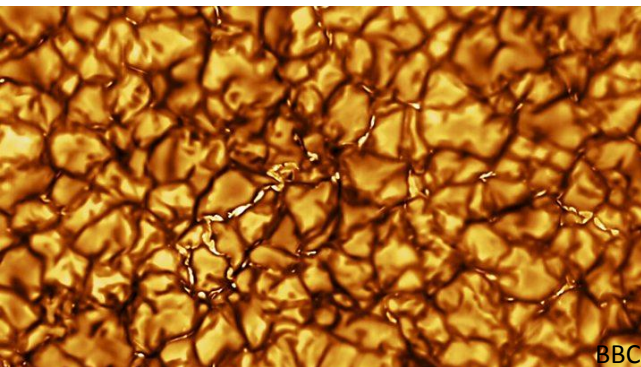
Viruses are very small particles that live in animals and plants and can make them ill. They are made up of DNA coated with a protein to protect them.

They spread very fast because often people who carry them pass them on before they have any symptoms or are ill.



[Viruses](#) [Coronavirus Timeline](#) [Global Health Emergency](#) [Epidemiology](#) [Viral Infections](#) [What is a Virus?](#)

## Surface Detail



Incredible video footage of the surface of the sun has just been captured by the Daniel K Inouye Solar Telescope on Hawaii. It shows cell like structures, about the size of France that seems to move like liquid across the surface.

It is allowing scientists to study the structure of the sun in more detail than has ever been possible. It is hoped the new detail they can see will improve their ability to predict 'space weather'.

In February 2020 the European Space Agency are launching a new Solar Orbiter. The satellite will orbit the sun, getting as close as 45 million miles from it's surface. It will hopefully answer important questions about how the sun controls the huge plasma bubble that envelopes the Solar System.



[Mesmerising surface detail](#) [ESA Solar Orbiter](#)  
[Solar Orbiter Mission](#) [Parker Solar Probe](#) [Sun|Trek](#)

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# TOPICAL SCIENCE UPDATES



**A resource and project update from the ASE Conference 2020**



An amazing guide to the very best primary science resources on the internet. A must look at for any teacher.

Fantastic resources from Kew Gardens that will bring the subject of plants alive in your classroom. Free to register.



FUNDED BY A PARTNERSHIP GRANT FROM

**THE ROYAL SOCIETY**

The 2020 round of Partnership Grants from The Royal Society is now open for applications. A great way to fund a project to really inspire your pupils.

The Great Science Share for Schools is back on 16<sup>th</sup> June 2020. Check out the latest news, register an event and start planning to share your children's amazing science ideas.



Another amazing British Science Week is nearly here. The theme for 2020 is 'Our Diverse Planet' and as always there are fantastic activity packs available to inspire you and your school.

'I bet you didn't know...' is a new resource from the Primary Science Teaching Trust that brings cutting edge science into your classroom.

