



# Our World

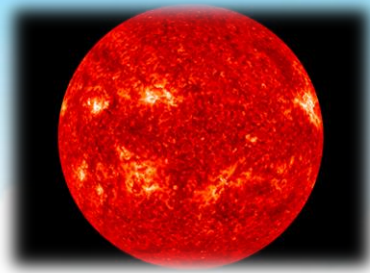
**Week Beginning: Monday 6 July 2020**



## This Week in Our World...

This week the focus of **'Our World'** is the Sun!

NASA have filmed the Sun for ten years and produced a film to show what happens to this amazing star to help scientists learn more about how the Sun affects the rest of the solar system.



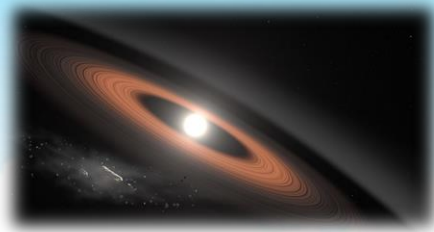
## What's the background?

The Sun is a star, the only one we can see during the daytime. When we look in the night sky, we see endless dots of light, every one of them is a star just like our Sun.

The Sun is located in the centre of the Solar System. It is a nearly perfect sphere of hot plasma, essentially, a hot ball of glowing gases.

It is the most important source of energy for life on Earth.

The Sun has a diameter of around 1.39 million kilometres / 864,000 miles. This is 109 times greater than the diameter of our planet.



## What's the background?

The connection and interactions between the Sun and Earth drive the seasons, ocean currents, weather, climate, radiation belts, and aurorae.

Though there are billions of stars in the galaxy, our Sun will always be the most special star.

The Sun spins once every 25 days, but at its poles, it rotates once every 35 days.

The Sun is orbited by eight planets, at least five dwarf planets, millions of asteroids, and up to three trillion comets and icy bodies.



**located**

**Located (verb – past tense of locate)**

To discover the exact place or position of something.





Watch...



### Clip 1 (CBBC Newsround)

[www.bbc.co.uk/newsround/53187205](http://www.bbc.co.uk/newsround/53187205)