



## I HAVE FOUND OUT ABOUT SCIENTISTS INTERSTED IN TIME...

### How do we know that time travel is possible?

More than 100 years ago, a famous scientist named **Albert Einstein** came up with an idea about how time works. He called it **relativity**. This theory says that time and space are linked together. Einstein also said our universe has a speed limit; nothing can travel faster than the speed of light (186,000 miles per second).

**We all travel in time! We travel one year in time between birthdays, for example. And we are all traveling in time at approximately the same speed:**

**1 second per second.**

NASA's space telescopes also give us a way to *look* back in time. Telescopes help us see stars and galaxies that are **VERY, VERY** far away. So, when we look into the sky with a telescope, we are seeing what those stars and galaxies looked like a very long time ago.

## Can we use time travel in everyday life?

We use GPS satellites to help us how to get to new places.

NASA Scientists also use a high-accuracy version of GPS to keep track of where satellites are in space.

GPS satellites orbit around Earth very quickly at about 8,700 miles (14,000 kilometers) per hour. This slows down GPS satellite clocks by a small fraction of a second.

Information taken from:

<https://spaceplace.nasa.gov/time-travel/en/>

On Saturday I saw the SpaceX Rocket in the sky at exactly 10:15PM UK Time. I thought it was an exciting time in History.



Here is my time capsule filled with pictures and memories of what life is like now!



Family pictures (Making memories)

Newspaper (Current News)

Letter from no 10

Uno Card Game (Fav Card game)    VE  
Remembrance

Cake mixes (we did a lot of baking)

Toilet roll (shortage)    TOM'S 100<sup>TH</sup>  
Birthday

Football Annual(No footy boo hoo!)

**No School!    No SATS!**



**& THROUGH LOCKDOWN I  
HAVE GROWN 2 INCHES!!**