

We are learning about **resilience**. This week...the world's most **resilient** animal - the **tardigrade**.

Do you know the world's most **resilient** animal is?

Not an elephant with its impressive body size  
Nor a penguin who can tolerate freezing Arctic cold.  
Nor a camel who can survive for months without a meal or water.  
The real champion is a micro-animal: **Tardigrades**, also known as 'water bears.'



Find out more about the world's most **resilient** animals here - <https://www.youtube.com/watch?v=IH3ABLe9k7A>

### Just imagine! Talk about it...

Tardigrades owe their **resilience** to just one super power called **a tun**. This means they can release all the water from their bodies, curl up in a ball and survive like this for decades!



If you could have a superpower what would it be?  
Here's mine, "If I could have a superpower I would like to be able to click my fingers and all the washing and ironing would be done all by itself!"

Ask 3 people to tell you what super power they would like to have.

**Fact and opinion** - you need to use the separate sheet for this. (it's on the class page)  
Remember you can **prove a fact is true**.  
An **opinion is someone's idea or feeling**.



### Be a word finder

A tardigrade is an octoped. This means it has 8 legs. Can you find the names of other animals with 8 legs?  
Find out how many legs a quadruped has.  
What about a biped...how many legs does it have?



### Think about it...

Tardigrades are the most resilient animals in the world. During lockdown you have had to be resilient. Think about where in the world you would most like to go when lockdown is lifted and either write about or draw a picture of that place. It doesn't have to be somewhere you have already visited in your life...it can be your dream destination!

### Explore some more...

Did tardigrades come from outer space?? They are the weirdest, most extreme creatures on the planet. They can survive in volcanoes, Arctic ice, and even the vacuum of space. And if that's not enough, they just might be proof of alien life. Ask someone in your family to watch this with you and see what you think [https://www.youtube.com/watch?v=Mnrocwm\\_Ahw](https://www.youtube.com/watch?v=Mnrocwm_Ahw)



### Get creative - pick as many things as you like from these 2 boxes.

1. Learn how to draw a realistic tardigrade, step by step, watching <https://www.youtube.com/watch?v=rYIVqgmXuCI>
2. Go outside and have a hunt around to see what mini beasts and insects you can find. Remember you are unlikely to find a tardigrade because they are microscopic!
3. If you do want to search for tardigrades you can find out on the internet how to go about it! Let us know if you're successful!
4. Tardigrades are about 6 millimetres long. Find out what 6mm looks like.



5. Make a poster showing the different places tardigrades can survive - volcanoes, in space, under water, in Arctic ice. Remember to include the word resilient in your poster.
6. Find out more about the deepest place on earth, the Mariana Trench.
7. Do what the film says at the end and...'Tell the toughest person you know all about the world's most resilient animals.'
8. Compose a song to sing about tardigrades. Start by choosing a tune you are familiar with and then write words to the tune.

