



Science Week 2024

8-17 March
British
Science
Week
2024

8th—17th March

The theme for British Science Week 2024 is 'Time'.

It's the 30th anniversary of British Science Week - and the organisers of British Science Week want you to celebrate this huge milestone with them, thinking about time since it began, and looking to the future!

What is time?

Time can be defined as the continued progress of existence (the past, present and future). We also use it to measure how long has passed in minutes, hours and seconds.

How did people tell the time before clocks?

Clocks have an interesting past. Ancient Egyptians and Mesopotamians invented the very first time measuring device - the sundial. The first sundials were obelisks (3500 BC) and shadow clocks (1500 BC). Using the shadow of the **sun**, they determined the times of the day.



During the Ancient Egyptian period and the Shang Dynasty, water clocks were used to measure time.

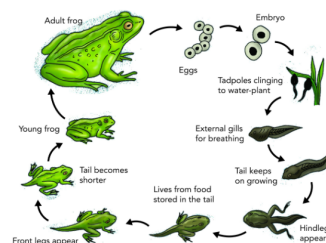
In the 11th Century, the introduction of hour-glasses on ships made it much easier for navigation, as they were able to know how long it took to travel from one place to another.



Organisms over time!

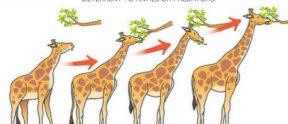
Lots of organisms grow and change over time. Some will complete a life cycle and some have evolved or adapted in order to survive.

This life cycle shows how a frog physically changes over time. It starts as eggs (frogspawn) and later grows into a tadpole and then a frog.



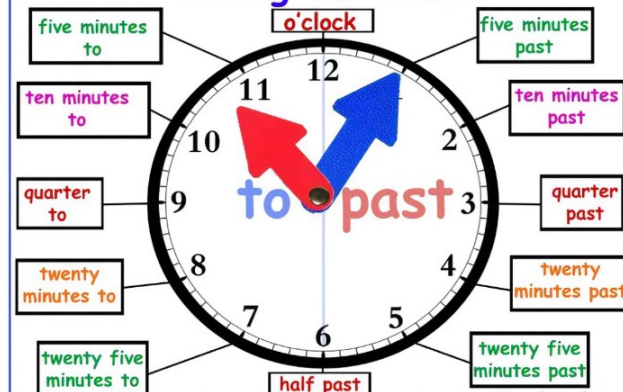
BIOLOGICAL ADAPTATIONS

THE LONG NECK OF THE GIRAFFE IS AN EXAMPLE OF A BIOLOGICAL ADAPTATION, SINCE IT HELPS GIRAFFES REACH LEAVES, BUT ALSO SERVES AS A DETERRENT TO RIVALS OR PREDATORS.



Giraffes have adapted over time to reach the leaves high up in the trees. A long time ago, they had shorter necks!

Telling the Time





Science at Home



Time challenge

Can you time how long it takes to do all of these activities?

Brushing your teeth.



Running across the playground.

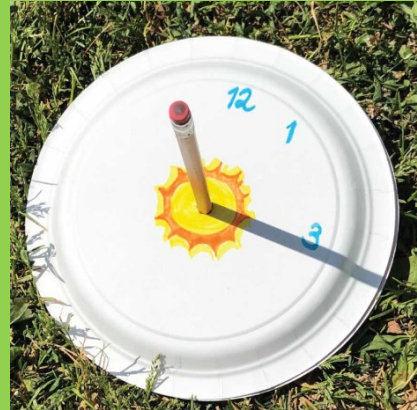


Walking to the nearest shop.



Creating time

See if you can make your own sun dial at home, all you need is a stick or a paper plate and a pencil.



British Science Week

For more information on Science week and some other activities that you can take part in, visit their website at:

www.britishscienceweek.org

Make sure you photograph anything you do and send it to Miss Walters! She would love to see it.

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Bubble Bath Time!

How long do you think the bubbles will last for?

What did the bubbles look like at the start?

What do you think might make the bubbles pop more quickly?

Do you think the bubbles would last longer if you added more bubble bath?

How did the bubbles change over time?

What do you think would happen to the bubbles if you added an object to the bath?