

HLTA	F	TA	I
LO: place knowledge			
I can	study a topic through using maps and atlases		
I know	the significance of latitude, longitude, Equator and the Greenwich Meridian time line		
I understand	that it is important to be aware of time zones , night and day		

<https://www.youtube.com/watch?v=swKBi6hHHMA> short video clip about longitude and latitude

look at this short video clip about latitude and longitude before trying the next section.



This world time zone map shows the division of the world into twenty four time zones of 15 degrees longitude each. However, if

1. Look at the line in the longitude line in the centre (it is slightly thicker than the others) What is the name of this line?
2. Where is the Greenwich time line in Great Britain? (Tip: it is the capital of England)
3. South Africa is 2 hours ahead of us. So if it is 11.00am in Great Britain what time is it in South Africa?
4. What can you say about the time zones of this map of Africa?

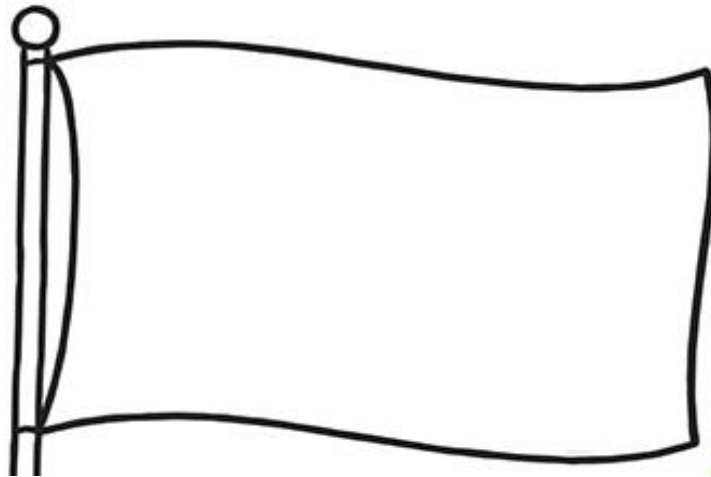
South Africa Standard Time is UTC + 2



4. What can you say about the time zones of this map of Africa?

Now tick your steps to success after completing this first section.

Draw the South African flag



Choose to draw two other flags from the continent of Africa. Then make a pattern using these flags.

South Africa, Namibia, Mozambique, South Africa, Namibia, Mozambique,

Or Namibia, Namibia, South Africa, Mozambique, Namibia, Namibia, South Africa, Mozambique,

You can draw the flags for the pattern, the words or a code.



Give the 4 figure grid reference for Johannesburg _____

Give a 6 figure grid reference for Cape Town. _____

Now tick your steps to success after completing this first section.

LO: geographical similarities and differences

I can	study a topic through using maps and atlases	
I know	how fish are linked to South Africa	
I understand	that it is important to discuss and debate fair trade.	

Your first task is to identify this fish

Pink/Blue group



Sardines have been around for centuries. They were named after an island in Italy because of the abundance that could be found there. While they can be enjoyed fresh, they are highly perishable. This is why they're most commonly found canned. Sardines are abundant in the Atlantic, Pacific, and Mediterranean seas. They feed on plankton only, which means they don't contain the high levels of mercury that other fish do.

Why eat sardines?

1. It is rich in protein. Just 3 oz. of sardines provides 23 grams of protein.
2. It reduces inflammation and risk of disease.

Sardines are an excellent source of two fatty acids that help to reduce inflammation in the body. Inflammation is at the root of most diseases. If you want to "spice up" the anti-inflammatory defence, add a little bit of turmeric when you are preparing your sardines.

3. It provides many essential vitamins and minerals.
Sardines are an excellent source of vitamin B 12, vitamin D, calcium, and selenium.

4. It protects bone health.
Did you know that sardines are also a great source of calcium? Calcium is extremely important because 99% of the body's calcium is stored in the bones and teeth.

The sardine run of southern Africa occurs from May through July when billions of sardines – spawn in the cool waters of the Agulhas Bank and move northward along the east coast of South Africa. Their sheer numbers create a feeding frenzy along the coastline. The run, containing millions of individual sardines, occurs when a current of cold water heads north from the Agulhas Bank up to Mozambique where it then leaves the coastline and goes further east into the Indian Ocean.

The shoals are often more than 7 km long, 1.5 km wide and 30 metres deep and are clearly visible from spotter planes or from the surface. Sardines group together when they are threatened. This instinctual behaviour is a defence mechanism, as lone individuals are more likely to be eaten than large groups.

Now answer these questions

1. Which fish can you see in the photograph?
2. What does it mean by the word 'perishable'?
3. What is the reason for there being low levels of mercury in sardines?
4. There are many reasons as to why sardines are good for you. Name the four that are listed in the information.
5. How are sardines linked to our class book, Journey to Johannesburg and South Africa?
6. Use these words and put them into a crossword puzzle. Decide how many squares it will be across and down. Write clues for them.

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