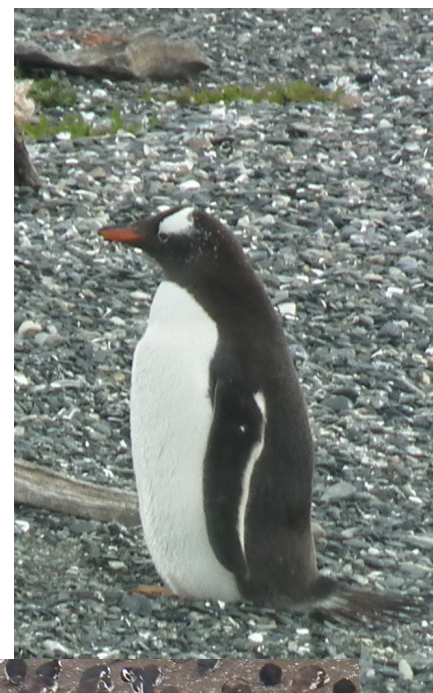




Animal Behaviour Penguins



FABULOUS FACTS ABOUT OCEAN ANIMALS

Animal Behaviour 1 : Penguins' Lifestyle

Comparison: 1. Penguins at the southern tip of Africa v. 2. Penguins at the southern tip of South America.

Film: Penguins in Africa: Penguins in South America.

Research : Distance from Antarctica? Temperature of water: Food source: Behaviour (way of keeping warm?)

Research: Southern Ocean. Effects of Climate change?

Compare locations and explain any differences between penguin behaviour.

	Penguins in South Africa	Penguins in South America
Water temperature		
Behaviour? Where do they live? Open spaces or Burrows		
How does their food source protect them from the cold?		
Activity (Protection against cold?) Length of time in Water?		



16

°C | °F

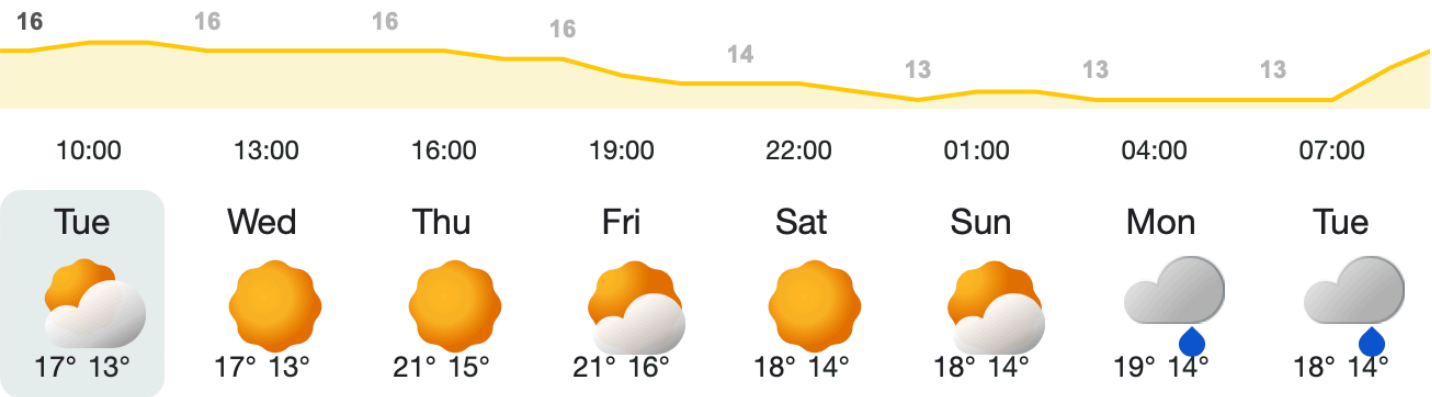
Precipitation: 20%
Humidity: 79%
Wind: 11 mph

Weather

Tuesday 09:00

Mostly cloudy

Temperature | Precipitation | Wind



The temperature at the bottom of the ocean around South Africa is cold, typically around 4°C (39°F) below approximately 200 meters (650 feet) of depth. Surface temperatures, however, vary significantly from a cold 10°C (50°F) on the Atlantic Seaboard to a warm 22°C (72°F) in False Bay, depending on location and the seasonal influence of the Indian or Atlantic Ocean currents. [↗](#)

Factors affecting water temperature

- **Depth:** The deep ocean is consistently cold, as sunlight does not penetrate to warm it.
- **Ocean Currents:** South Africa's coasts are influenced by two major currents, resulting in different water temperatures:
 - **Atlantic Ocean:** The Benguela current brings cold water from the Antarctic, leading to cooler temperatures on the Atlantic coast, such as in Cape Town.
 - **Indian Ocean:** Warm currents from the Indian Ocean make the waters warmer on the eastern and southern coasts.

The most southerly part of South America, near Darwin's Passage (which is a part of the Drake Passage), has a **cool, maritime climate with high winds, heavy cloud cover, and abundant precipitation** throughout the year, with temperatures averaging around 5.2°C (41.4°F) but with frequent strong squalls and winds over 100 km/h (62 mph) possible in all seasons. [🔗](#)

Water temperatures in the Drake Passage vary significantly, ranging from about 43°F (6°C) in the north to as low as 30°F (-1°C) in the south, with a sharp drop occurring at the Antarctic Convergence Zone. The water is part of the fast-flowing Antarctic Circumpolar Current, where cold Southern Ocean water mixes with warmer Atlantic water. [🔗](#)

Watch the Penguin film of life in the Beagle Channel at the bottom of South America.	Check out the photos of both areas? Can you answer the questions?	How are the penguins behaving in South America?
How are the penguins behaving in South Africa?	Which area - South Africa or South America is nearest the Antarctic?	What effect does the distance between the continents make to life at the tip of South Africa and the tip of South America
Check out the weather conditions on land?	Check out the temperatures of the water?	What do YOU think is affecting the penguins behaviour the most?

Penguins in the Beagle Channel - South America

Why do lots of penguins gather in the same place?					
The penguins with brown fur are babies. Why do some penguins lie down?					
They seem reluctant to enter the water. Why?					
Why do they have to enter the water?					
They don't stay in the water for long. Why?					

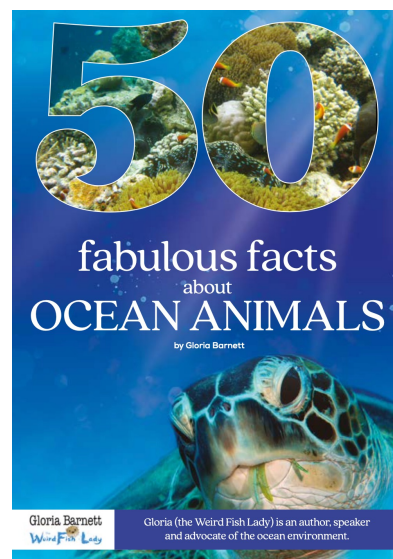
Penguins in the Table Mountain National Park /Boulder Park - in South Africa

South African Penguins - Table Mountain National Park		
Describe the conditions where the penguins live		
Why do the younger penguins lie down?		
Human activity -areas separated for plant growth keeps the penguins from destroying the National Park		



(c) Teaching Materials from the WeirdFish Lady

Gloria Barnett



**This resource can be used alongside the book
'50 Fabulous Facts About Ocean Animals'**

**Available as an ebook or Paperback from Amazon,
Or
Paperback for all good bookshops around the world.**

More information on the website:

**<https://barnettauthor.co.uk>
to find lots of teacher's resources.**