

# What the Earth can tell us about the weather?

## Go to

[https://www.bbc.co.uk/bitesize/articles/zw7vtrd?xtor=CS8-1000-\[Discovery\\_Cards\]-\[Multi\\_Site\]-\[SL07\]-\[PS\\_BITESIZE~N~~A\\_TravelTheWorldWithDavidAttenborough\]](https://www.bbc.co.uk/bitesize/articles/zw7vtrd?xtor=CS8-1000-[Discovery_Cards]-[Multi_Site]-[SL07]-[PS_BITESIZE~N~~A_TravelTheWorldWithDavidAttenborough])

David Attenborough is going to teach you three short lessons on; the Indian monsoon, how the ocean affects weather patterns and latitude and longitude! Use the following questions to guide you on what to look out for in the videos.

## Oceans: weather patterns

Ever wondered what an 'Indian summer' means?

1. What heats faster; land or water?
2. Warmer air is less dense, what happens because of this?
3. During the monsoon how much rain can fall in a single day?
4. What happens during winter months?

## Suggested further work

Monsoon by the National Geographic <https://www.nationalgeographic.org/encyclopedia/monsoon/>

What causes India's monsoon rains? <https://www.bbc.co.uk/teach/class-clips-video/what-causes-indias-monsoon-rains/zn7xnrđ>

What is a monsoon? The Met Office <https://www.youtube.com/watch?v=lpeVqICLTig>

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## Oceans: currents and weather

How do ocean currents affect the weather?

1. How many ocean basins are there in the world and what are their names?
2. How does the ocean determine the weather?
3. How do aquatic mammals, like dolphins, breath?
4. Many species of marine life are ancient. How old are Horseshoe crabs?

## Suggested further work

The Gulf Stream explained <https://www.youtube.com/watch?v=UuGrBhK2c7U>

Ocean currents by the National Geographic [https://www.nationalgeographic.org/topics/resource-library-ocean-currents/?q=&page=1&per\\_page=25](https://www.nationalgeographic.org/topics/resource-library-ocean-currents/?q=&page=1&per_page=25)

The redistribution of energy BBC <https://www.bbc.co.uk/bitesize/guides/zym77ty/revision/3>

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## The world: latitude and longitude

How can the 5 major lines of latitude offer you clues about the climate?

1. Why is it so useful to know about latitude – what does latitude tell you?
2. Where are the topics?
3. What do you find within the tropics?
4. What happens within the Arctic and Antarctic circles?

## Suggested further work

Latitude and longitude BBC <https://www.bbc.co.uk/bitesize/topics/zvsfr82/articles/zd4rmfr>

Latitude and longitude finder <https://www.latlong.net/>

The Geography Realm <https://www.geographyrealm.com/latitude-longitude/>

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