Lesson ideas for geography teachers to share: What the Earth can tell us

Go to 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/zn7xnrd

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

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=UuGrhK2c7U

Ocean currents by the National Geographic 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/revisio
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/