

## Key vocabulary and terms

**Physical weathering** - caused by physical processes such as changes in temperature, freezing and thawing, and the effects of wind, rain and waves.



**Weathering** - the breaking down of rocks, soils, and minerals as well as wood and artificial materials through contact with the Earth's atmosphere, water, and biological organisms



**Erosion** - the process in which materials are worn away and transported by natural forces such as wind or water.



**Deposition** - when water, that is carrying sediment (small fragments of rocks, sand, soil), loses its energy it drops the material it is carrying.



**Dissolve** - to become part of a liquid e.g. sugar dissolves in water.



**Carbon footprint** - is a number, that represents the total amount of carbon dioxide (CO<sub>2</sub>) and other equivalent greenhouse gases associated with an individual, product, person or even country.



**Renewable energy** - is a natural source of energy that will never run out. The sun, wind, and water are renewable energy sources.



# Our Changing World

## Key learning:

To be taught about...

- How physical, chemical and biological weathering and erosion change landscapes.
- What the features of a coastline are and how they are formed; what some famous UK coastal features are called and where they are located.
- How erosion and deposition can change the look of a coastline, looking at how the shape of parts of the UK coastline, such as Spurn Head, have changed over time.
- Aspects of climate change and how it affects the planet.
- The greenhouse effect: what it is and what we can do to limit its effect on the earth.
- Physical changes to the Earth predicted to occur by 2050 and some of the ways that human activity changes the landscape.

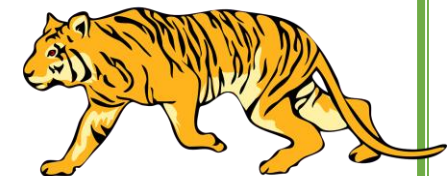
### Did you know?

The coastline of the United Kingdom plus its principal islands is about 19 491 miles. 29 villages have disappeared from the Yorkshire coast since 1926 as a result of tidal battering.



### Did you know?

One in six species are at risk of extinction due to climate change.



## Useful websites:

<https://www.bbc.co.uk/bitesize/topics/z849q6f>

<https://www.wwf.org.uk/get-involved/schools/school-campaigns/shaping-our-future>

<https://www.natgeokids.com/uk/teacher-category/geography/>