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| Lesson 1: **The difference between weather and climate** | *Date: 28/5/20* |

In S2 we would normally start with the topic *From Climate Change to Climate Crisis*. However, we are obviously all doing our best to work from home. So, we are going to start with a little bit of background **weather and climate**. This will be a fine introduction and if anyone is struggling to access work they will not miss out on the exciting bits!

**INTRO TASK:** Write down all the words you can think of to describe the weather. Ask someone at home to look over this and add any other words they suggest.

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| **There are loads of words you can add here but avoid “good” or “bad”!****Weather****Terms** |

*In Scotland, we love to speak about the weather! Can you add any local / Scottish words or phrases (my favourite is dreich!).*

During your *South American Adventure* in S1 we discussed the difference between weather and climate. It is very important that you can define this difference.

**View BBC Bitesize Weather & Climate page:** [**https://www.bbc.co.uk/bitesize/articles/z79yvk7**](https://www.bbc.co.uk/bitesize/articles/z79yvk7)

**TASK**: Watch the Bitesize film **and** read the information. Complete the table below to define WEATHER and CLIMATE:

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| **WEATHER** | The **day to day** conditions of the Earth’s atmosphere (the air around us). |
| **CLIMATE** | The average conditions in a place over a longer period of time, usually a year. |

**TASK**: Which statements describe WEATHER and which ones describe CLIMATE?

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| **Statement** | Weather | Climate |
| Yesterday it rained all day long and was quite windy. | **✓** |  |
| June, July and August are usually the warmest months of the year in the UK. |  | **✓** |
| The rainforest is a tropical environment, where rain is expected every single day. |  | **✓** |
| Tourist often travel to Florida in January to catch some winter sunshine. |  | **✓** |
| Last Tuesday it was very foggy on the motorway. | **✓** |  |
| Tomorrow it is forecast to be cold and frosty in the morning. | **✓** |  |
| In India, monsoon rains are common from June to September. |  | **✓** |

**When discussing climate, we often speak about Climate Zones:**

This map shows climate zones around the world. The image comes from the BBC Bitesize page given above.

**TASK**: Name a **country** for each of these zones (you can use an atlas or the internet to help):

**BELOW ARE JUST SOME EXAMPLES, BUT PLEASE, COUNTRIES ONLY!**

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| Polar | ICELAND | Tropical | BORNEO |
| Arid | YEMAN | Temperate | DENMARK |
| Mediterranean | ITALY | Mountain | NEPAL |