

<b>Geography</b>	<b>Spring Term Year 10</b>	<b>Weather and climate</b>	
What? When? Why?	<b>Lesson one</b> <b>Learning intentions</b> <b>(what can a student do at the end of the lesson)</b>	<b>Lesson two</b> <b>Learning intentions</b> <b>(what can a student do at the end of the lesson)</b>	<b>Lesson Three</b> <b>Learning intentions</b> <b>(what can a student do at the end of the lesson)</b>
Week One	<ul style="list-style-type: none"> <li>• How does the global atmospheric system work?</li> </ul>	<ul style="list-style-type: none"> <li>• Features of the system and formation of the 3 atmospheric cells. Importance of ocean currents to the system.</li> </ul>	<ul style="list-style-type: none"> <li>• Comparison of climate zones around the world.</li> <li>• How does latitude influence climate?</li> </ul>
Week Two	<ul style="list-style-type: none"> <li>• How do we know that the climate has been different in the past?</li> </ul>	<ul style="list-style-type: none"> <li>• sources of evidence at different time scales including ice cores, pollen, tree rings and written records.</li> <li>• Importance of glacial and interglacial.</li> </ul>	<ul style="list-style-type: none"> <li>• Natural causes (milankovitch, volcanism and solar output of climate change over a long time scale?</li> <li>• What evidence do we have of these happening?</li> </ul>
Week Three	<ul style="list-style-type: none"> <li>• How has recent human activity influenced climate change?</li> <li>• Are fossil fuels to blame?</li> <li>• Is there a link between population growth and climate change?</li> </ul>	<ul style="list-style-type: none"> <li>• Climate change or climate crisis – what are the negative impacts of climate change over different scales?</li> <li>• Are developing countries more vulnerable to climate change?</li> </ul>	<ul style="list-style-type: none"> <li>• How has the UK climate changed over time?</li> <li>• What evidence do we have of these changes?</li> <li>• Is the change the same across the whole of the UK?</li> </ul>
Week Four	<ul style="list-style-type: none"> <li>• How does geographical location in the UK influence precipitation and temperature?</li> </ul>	<ul style="list-style-type: none"> <li>• What impact do air masses and ocean currents have on our climate?</li> </ul>	<ul style="list-style-type: none"> <li>• How will changing climates challenge the UK in the future?</li> </ul>

	<ul style="list-style-type: none"> <li>• Does a maritime climate influence our climate in the UK?</li> </ul>	<ul style="list-style-type: none"> <li>• Which air masses are more significant for the UK climate?</li> </ul>	<ul style="list-style-type: none"> <li>• Will these changes have more social, economic or environmental impact?</li> </ul>
Week Five	<ul style="list-style-type: none"> <li>• What are the main Air masses of the UK?</li> <li>• How do different air masses influence our climate?</li> </ul>	<ul style="list-style-type: none"> <li>• What other factors may influence local climates in the UK?</li> <li>• What impact is there of altitude and relief?</li> </ul>	<ul style="list-style-type: none"> <li>• How do fronts form and how do they impact UK weather and climate?</li> <li>• What weather do we associate with warm fronts and cold fronts?</li> </ul>
Week Six	<ul style="list-style-type: none"> <li>• What conditions are needed for tropical cyclones to develop?</li> <li>• Where do tropical cyclones occur and why is their distribution so specific?</li> </ul>	<ul style="list-style-type: none"> <li>• How does the level of development of a country influence both impacts and mitigation of tropical storms?</li> </ul>	<ul style="list-style-type: none"> <li>• How does the level of development of a country influence both impacts and mitigation of tropical storms?</li> </ul>
Week Seven	<ul style="list-style-type: none"> <li>• How can we classify types of droughts?</li> <li>• Why are some areas of the world more vulnerable to droughts than others?</li> <li>• Does level of development influence the impacts of droughts?</li> </ul>	<ul style="list-style-type: none"> <li>• Why are some areas of the world more vulnerable to droughts than others?</li> <li>• Does level of development influence the impacts of droughts?</li> </ul>	<ul style="list-style-type: none"> <li>• Why are some areas of the world more vulnerable to droughts than others?</li> <li>• Does level of development influence the impacts of droughts?</li> <li>• Can we mitigate against droughts?</li> </ul>