 **Threshold Concepts and Subject Progression**

**Geography**

**Year: 5&6 Unit Name: Ecosystems**

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| **What do I need to learn? What do I need to remember?** |
| **Geographical skills**  **Understanding maps**   * How to identify lines of latitude and longitude on maps and globes. * How to identify the equator, tropic of cancer and tropic of Capricorn on globe. * Intrepret climate maps of the world and identify the world biomes.   **Local knowledge**   * Use local Ordnance Survey maps to identify physical and human features and take these into consideration when planning a walk in the local area.   **Using data**   * How to interpret and create simple graphs including rainfall and climate graphs.   **Planning and carrying out a Geographical investigation**   * How to use fieldwork results to help test the accuracy of our hypothesis. * Use my results to draw a final conclusion.   **Physical Geography**   * Locate places in relation to the Equator, latitude and longitude, and relate this to their climate, seasons, vegetation and animal life (UK, Europe and North and South America). * Compare and contrast how climate and vegetation are connected in two biomes, e.g. the tropical rainforest, a hot desert, the Arctic. * Understand how animals and plants have adapted to live in a specific biome. * Investigate what an ecosystem is and where nutrients are   **Environmental Geography**  Understand what a nature reserve is and why they are important. Describe how humans look after a specific nature reserve (case study local nature reserve).   * How humans are managing and protecting ecosystems around the world. |
| **How can I extend this learning?** |
| Use memory recall to name and locate all the world biomes giving examples of vegetation which grows there.  Locate and compare different nature reserves around the UK and how they are managed.  Find examples of ecosystems in the local area.  Investigate how climate change is affecting world biomes. |



**Spirituality: Can the study of Geography help us to connect with the awe and wonder of creation?**