



# Summer Term Learning Journey for Geography

## The Living World

*Ad Astra*

### How does this unit link to prior learning?

Year 7 What is Geography (Map skills and locational knowledge) Year 7 Impossible Geography (Tropical rainforests) Year 8 Africa (climate zones) Year 9 Russia (Biomes)

### What will you be learning about?

In this unit you will explore the different ecosystems around the world and how they exist on a variety of scales. You will focus on rainforests and their adaptations, the reasons for deforestation and how people are trying to manage rainforests sustainably. You will look at Malaysia as a case study example. You will then explore hot deserts, how animals and plants are adapted, how people live and work in the Thar Desert, why desertification is taking place and how people are adapting to growing desert ecosystems.

### We will develop our learning each week by focusing on:

1.Ecosystems	RAG	8.Sustainable management of tropical rainforests	RAG
<p>You will look at ecosystems on a range of scales, and explore the concept of interrelationships within a natural system, an understanding of producers, consumers, decomposers, food chain, food web and nutrient cycling. You will look at an example of a small-scale ecosystem.</p> <p><b>Awe and wonder – pond dipping in the Spinney</b></p>		<p>Explore the value of tropical rainforests to people and the environment. Then discover the strategies used to manage the forest: selective logging and replanting, conservation and education, ecotourism and international agreements about the use of tropical hardwoods, debt reduction.</p>	
<p><b>2.Large scale natural global ecosystems</b> An overview of the distribution and characteristics of large-scale natural global ecosystems.</p>		<p><b>9.Physical characteristics of a hot desert</b> Explore the characteristics of the hot desert, and the interdependence of climate, water, soils, plants, animals and people.</p>	
<p><b>3.Physical characteristics of the tropical rainforest</b> Explore the layers of the rainforest, and the interdependence of climate, water, soils, plants, animals and people. Explore the nutrient cycle and biodiversity.</p>		<p><b>10.Plant and animal adaptations - desert</b> Explore how plants and animals have adapted to the physical conditions of the desert.</p>	
<p><b>4.Plant and animal adaptations - rainforest</b> Explore how plants and animals have adapted to the physical conditions of the rainforest.</p>		<p><b>11.Development opportunities in hot desert: case study Thar</b> Case study to demonstrate opportunities found in hot desert environments: mineral extraction, energy, farming, tourism.</p>	
<p><b>5.Interim Assessment</b></p>		<p><b>12.Challenges of developing in hot desert: case study Thar</b> Case study to demonstrate the challenges of developing hot desert environments: extreme temperatures, water supply, inaccessibility.</p>	
<p><b>6.Causes of deforestation: case study Malaysia</b> Explore the changing global rates of deforestation. Discover the causes of deforestation in Malaysia: subsistence and commercial farming, logging, road building, mineral extraction, energy development, settlement, population growth.</p>		<p><b>13.Causes of desertification: The Sahel</b> Explore the causes of desertification: climate change, population growth, removal of fuel wood, overgrazing, over-cultivation and soil erosion.</p>	
<p><b>7.Impacts of deforestation: case study Malaysia</b> Discover the impacts of deforestation on Malaysia: economic development , soil erosion, contribution to climate change.</p>		<p><b>14.Strategies used to reduce risk of desertification: Sahel.</b> Methods used to manage desertification: water and soil management, tree planting and use of appropriate technology.</p>	

### Key vocabulary

Biome	Canopy	Adaptation	Climate	Logging	Timber	Scarcity	Desert	Afforestation
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### How will this help you in the future?

KS4	Beyond LHS
<p><b>Year 10:</b> The skills you develop in explaining how humans interact with their physical environment will help you explore coastal and river management in Physical Landscapes of the UK.</p>	<p>This unit means you will better understand how to manage and protect the world's natural environments. You will be better educated to make sustainable decisions about your resource usage.</p>



## **(Autumn) Learning Journey for (subject here)**

*Ad Astra*

How does this unit link to prior learning?

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**What will you be learning about?**

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**We will develop our learning each week by focusing on:**

<u>1.</u> (Key learning topic here)	Skills	RAG
<u>2.</u> (Key learning topic here)		
<u>3.</u> (Key learning topic here)		
<u>4.</u> (Key learning topic here)		
<u>5.</u> (Key learning topic here)		
<u>6.</u> (Key learning topic here)		

**Key vocabulary**


**How will this help you in the future?**

<b>KS4</b>	<b>Beyond LHS</b>
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