



<b>Knowledge Organiser</b>	<b>Subject: Geography</b>	<b>Topic: Plants of the World</b>	<b>Year: 4</b>
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**Key Knowledge**

In KS1, children should have learned about the continents of the World as well as plants in EYFS and Year 2. This unit will focus on the importance of plants and their ability to adapt to their environments as well as their role in our daily lives. Google maps can be used via the visualiser in order for pupils to gain an understanding of specific biomes' locations. Map work, alongside the use of the Atlas, can identify the 7 continents as well as specific teacher-initiated biomes of the World – a selection of extreme biomes should be selected, thus demonstrating a plant's unique ability to adapt to a range of environments. The human reliance on plants should also be taught as well as the role plants have in climate change.

<https://www.woodlandtrust.org.uk> see blog section for why plants are important.  
<https://www.bbc.co.uk/bitesize/articles/zss9msg>  
<https://www.goodearthplants.com/plants-matter-our-ten-reasons-why/>

**Being a Geographer/Key Skills Developed**

A good geographer in Key Stage 2 will be able to:

- use more detailed maps and discuss human and physical characteristics of regions
- They will understand climate zones, mountains, volcanoes, the water cycle, rivers, types of settlement and natural resources and areas.
- They will use ICT, different types of maps, atlases, more complex compass directions, aerial photographs, as well as fieldwork and observational skills.

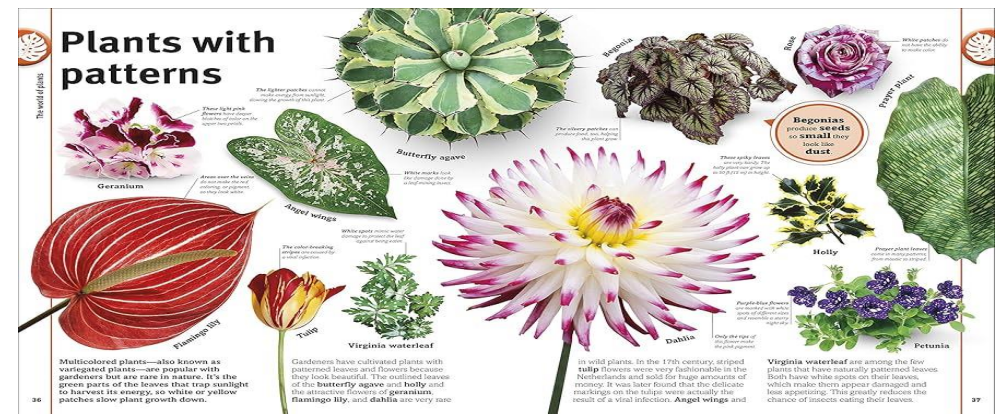
**Multi-Disciplinary Skills**

Environmental knowledge will be closely linked to science. A good geographer will be able to demonstrate an awareness of their physical and human world, and an understanding of environmental management and sustainability, this links closely to PSHE. They will understand the importance of their place within the world and the impact they may have through their actions, this links to Eco-schools, PSHE, Science and RE. The skills of cause and effect, impact and change, empathy and compassion will also be developed. Mapping skills will link closely to the use of co-ordinates in maths, as well as grid references in OS maps. Plants of the World will incorporate Science, the water cycle, habitats (Biomes) the importance of water, PSHE, climate change and a respect for nature.

<b>Key Concepts</b>		
<b><u>Place</u></b> A construct that is defined in terms of what it is like, what happens there and how and why it is changing.	<b><u>Space</u></b> The location of points, features or regions in absolute and /or relative terms and the relationships, flows and patterns that connect and / or define them.	<b><u>Environment</u></b> The 'zoom lens' that enables us to view places from global to local levels.

**Why are plants so significant?**

Key Vocabulary	
<b>Biomes</b>	A large naturally occurring community of flora and <b>fauna</b> a major habitat, e.g. forest or <b>tundra</b> .
<b>Climate</b>	The weather conditions <b>prevailing</b> in an area in general or over a long period.
<b>Biodiversity</b>	The variety of plant and animal life in the world or in a particular habitat, a high level of which is usually considered to be important and desirable.
<b>Megadiversity</b>	Megadiversity refers to the high level of biodiversity.
<b>Endemic</b>	Native and restricted to a certain place.
<b>Adaptation</b>	The process of change by which an organism or species becomes better suited to its environment.
<b>Agriculture</b>	The science or practice of farming, including the cultivation of the soil for the growing of crops and the rearing of animals to provide food, wool and other products.
<b>Flora and Fauna</b>	The plants and animals of a place.



## Linking Thinking Across Our Learning Journey

Early Years	Year One	Year Two	Year Three	Year Four	Year Five	Year Six
<b>All About Me –</b> To begin to identify similarities and differences. Positional Language. Local Walk.	<b>Where do I live?</b> Looking at the local environment and understanding the human impact of our locality.	<b>Who Lives Here?</b> To understand the different environments in the World and how people survive?	<b>The River Nile</b> Impact of location on human and physical features/survival.	<b>Plants of the World</b> <b>To understand the significance of plants to the planet and humans, as well as their unique capabilities.</b>	<b>North America</b> This unit will cover, among other things, climates of particular parts of North America.	<b>Water World</b> This unit will, among other things, look at the importance of water for our planet.