

Curriculum enrichment (linked to Enquiry Question)	High quality maps and videos Horniman Virtual Visit (L4)
Literacy Rich Curriculum	Disciplinary Reading and Writing

Our Curriculum Key Drivers - Flourishing for All, Diversity and Challenge

L	Enquiry questions	Knowledge Review Questions	Key Teacher subject knowledge	Knowledge	Apply (lesson - planned in phases)	Key Vocabulary	Outcome of Lesson
1	Where in the world can we find rainforests?	<u>Last Lesson:</u> <u>Last Term:</u> <u>Migration</u> <u>Frozen Kingdoms</u> <u>Last Year:</u> Y5: <u>Volcanoes</u> <u>Earthquakes</u> <u>Land Use</u> Y6: <u>Climate across our World</u> <u>Sow Grow and Farm</u> <u>Settlements and Land Use</u>	<u>Tropical rainforests</u> are found around the world in locations that lie between the Tropics. <u>Temperate rainforests</u> are found in temperate climates and areas of high oceanicity.	Y5 - HP.D - Know how to describe how the physical features of a country affect human activity. Y6 - HP.D - Know how human activity is affecting physical environments across the globe. Y5 - SF.C - Know how to use the 8 points of compass, 4 to 6 figure grid references, symbols, and keys (including OS Maps) to build knowledge of the UK and wider world. Y6 - SF.C - Know how to use the 8 points of a compass, 4 and 6 figure grid references, symbols, and key (including OS Maps) to analyse geographical trends across the globe.	<u>Disciplinary Reading: What are temperate rainforests?</u> Use a globe and world map to revise key lines of latitude (tropics, equator and circles) and discuss their impact on climate. Discuss that our main understanding of rainforests comes from those in the tropics however, reminding them of their disciplinary read, there are also temperate rainforests around the world, including in the UK. Review the definitions of each of these before locating some of these together and then completing the first outcome. Remind children of OS maps and how to use these. Use the legend to identify features, which would be found in a temperate rainforest.	rainforest tropical temperate grid reference, symbol, Ordnance Survey	Annotated world map in the centre of an A3 page showing Tropics, tropical rainforests and temperate rainforests. Use of OS map and answered questions to identify temperate rainforests in the UK. Y6 also compare tropical and temperate rainforests.
2	What are the physical characteristics of tropical rainforests?	<u>Last Lesson:</u> <u>Last Term:</u> <u>Migration</u> <u>Frozen Kingdoms</u> <u>Last Year:</u> Y5: <u>Volcanoes</u> <u>Earthquakes</u> <u>Land Use</u> Y6: <u>Climate across our World</u> <u>Sow Grow and Farm</u> <u>Settlements and Land Use</u>	A tropical rainforest is made of <u>four layers</u> ; the forest floor; the understory; the canopy; and the emergent layer. Each layer has <u>distinct physical characteristics</u> .	Y5 - HP.B - Know and explain key aspects of physical geography such as climate zones, biomes and vegetation belts. Y6 - HP.B - Know and discuss key aspects of physical geography by collecting and analysing information in order to draw conclusions about locations. Y5 - SF.B - Know how to give views on the effectiveness of different geographical representations of a location, including aerial images compared with a range of maps. Y6 - SF.B - Know how to analyse and give views on the effectiveness of different geographical representations of a location, including aerial images compared with a range of maps.	<u>Disciplinary Reading: What are the layers of a tropical rainforest?</u> Revise the layers of the tropical rainforest with the children, based on their understanding from their disciplinary reading. Make notes on the flip chart for each layer of the rainforest, according to the flora and fauna found there as well as the conditions. Use example images from rainforests around the world to demonstrate the different layers, showing that tropical rainforests have features in common.	forest floor understory canopy emergent layer	Annotated diagram of layers of a tropical rainforest, including a bullet point details of each layer's characteristics. Diagram should be placed on the far left of a double-page spread. Y6 should include detailed descriptions of each layer (flora, fauna, conditions) rather than bullet points.
3	Why are tropical rainforests useful?	<u>Last Lesson:</u> <u>Last Term:</u> <u>Migration</u> <u>Frozen Kingdoms</u> <u>Last Year:</u> Y5: <u>Volcanoes</u> <u>Earthquakes</u> <u>Land Use</u> Y6: <u>Climate across our World</u> <u>Sow Grow and Farm</u> <u>Settlements and Land Use</u>	The tropical rainforests are <u>essential</u> for the planet, as well as the humans that live on it, who have become dependent on many of its products. They are of <u>great value</u> .	Y5 - HP.D - Know how to describe how the physical features of a country affect human activity. Y6 - HP.B/C - Know and discuss key aspects of physical and human geography by collecting and analysing information in order to draw conclusions about locations. Y5 - SF.A - Know how to use several geographical resources to give descriptions and opinions of the characteristic features of a location. Y6 - SF.A - Know how to use a range of geographical resources, with ease, to give detailed description and opinions of the characteristic features of a location.	<u>Disciplinary Reading: What role do tropical rainforests play in our daily lives?</u> Refer back to the disciplinary reading and use other sources (see teacher subject knowledge) to demonstrate how tropical rainforests support physical environments and on earth and are also useful to humans. Make notes on the flip chart under both headings to gather ideas as a class. Ensure children can explain each of the uses and give specific examples for each, including global tropical rainforests.	atmosphere water cycle agriculture raw materials timber, palm oil	Completed written response to the EQ under headings, using question prompts and sentence starters. Y6 to also answer the question 'what would daily life be like without the rainforests?' including adaptations, what they would miss/not be able to do.
4	What do we know about the Amazon rainforest?	<u>Last Lesson:</u> <u>Last Term:</u> <u>Migration</u> <u>Frozen Kingdoms</u> <u>Last Year:</u> Y5: <u>Volcanoes</u> <u>Earthquakes</u> <u>Land Use</u> Y6: <u>Climate across our World</u> <u>Sow Grow and Farm</u> <u>Settlements and Land Use</u>	The <u>Amazon</u> occupies much of Brazil and Peru, as well a number of other South American countries. The <u>Amazon rainforest</u> accounts for more than half the world's rainforest.	Y5 - HP.D - Know how to describe how the physical features of a country affect human activity. Y6 - HP.D - Know how human activity is affecting physical environments across the globe. Y5 - SF.D - Know how to use different types of fieldwork to observe, measure and record the human and physical features, recording findings in a range of ways. Y6 - SF.D - Know how to use different types of fieldwork (including of secondary sources) to observe, measure and record the human and physical features, recording results in a range of ways.	<u>Disciplinary Reading: How is the Amazon used, threatened and protected?</u> Revise children's knowledge of tropical rainforests, where they can be found and their characteristics. Focus discussion on the Amazon rainforest, the largest tropical rainforest, and refer to last week's lesson on rainforest usage. Share the term 'exploitation' and determine the difference between usage and exploitation, exploring ways that the Amazon is being exploited and the impact on specifically the rainforest itself. Remind children that rainforests have global impact and tell them this will be looked at later in the unit.	exploitation deforestation sustainability secondary fieldwork	Use a range of sources to gather data surrounding the exploitation of the Amazon rainforest. Y6 Identify relevant sources and record results in different ways.
5	What does data show us about how the Amazon is being exploited?	<u>Last Lesson:</u> <u>Last Term:</u> <u>Migration</u> <u>Frozen Kingdoms</u> <u>Last Year:</u> Y5: <u>Volcanoes</u> <u>Earthquakes</u> <u>Land Use</u> Y6: <u>Climate across our World</u> <u>Sow Grow and Farm</u> <u>Settlements and Land Use</u>	<u>Choropleth maps</u> and <u>thematic maps</u> provide an easy way to visualise how a variable varies across a geographic area.	Y5 - HP.C - Know and explain key aspects of human geography, including settlement and land use, economic activity and the distribution of natural resource. Y6 - HP.D - Know how human activity is affecting physical environments across the globe. Y5 - SF.E - Know how to create maps of locations, identifying patterns such as land use and climate zones. Y6 - SF.E - Know how to create maps of locations, identifying patterns such as population densities	<u>Disciplinary Reading: What are the different types of maps?</u> (topographic, political, thematic, choropleth, physical, weather) Discuss last lessons' data and summarise what was found from the different sources. Explore how data can be presented as a geographer, referring to mathematical understanding of statistics, as well as learning from the disciplinary reading. Clearly model how to complete a topographic map of deforestation before children complete a map themselves. Select data from a table to present in a chart/graph, determining how this might be a useful way to inform people about how the Amazon is being exploited.	exploitation data representation secondary fieldwork	Complete a partially-completed map to show deforestation in the Amazon rainforest and then use data to present information in relevant graphs (line graph/bar charts). Y6 construct their own map.
6	What are the global consequences of the exploitation of the Amazon rainforest?	<u>Last Lesson:</u> <u>Last Term:</u> <u>Migration</u> <u>Frozen Kingdoms</u> <u>Last Year:</u> Y5: <u>Volcanoes</u> <u>Earthquakes</u> <u>Land Use</u> Y6: <u>Climate across our World</u> <u>Sow Grow and Farm</u> <u>Settlements and Land Use</u>	The Amazon rainforest plays a huge role in climate change. It is key to <u>protecting the Earth</u> from the effects of climate change but its exploitation can worsen carbon emissions.	Y5 - HP.C - Know and explain key aspects of human geography, including settlement and land use, economic activity and the distribution of natural resource. Y6 - HP.D - Know how human activity is affecting physical environments across the globe. Y5 - SF.A - Know how to use several geographical resources to give descriptions and opinions of the characteristic features of a location. Y6 - SF.A - Know how to use a range of geographical resources, with ease, to give detailed description and opinions of the characteristic features of a location.	<u>Disciplinary Reading: What happens when you cut down trees?</u> Discuss the children's findings from the last two weeks, highlighting how the Amazon rainforest is being exploited. Refer to the disciplinary read to highlight that the exploitation of the Amazon can have global consequences and revisit these. Make notes on the flip chart to support children's recall of information that has been discussed. Use diagrams to model the greenhouse effect and global warming, discussing how deforestation has a two-fold effect on this.	biodiversity climate change carbon emissions desertification	Completed written response to the EQ under headings, using question prompts and sentence starters. Y6 ext question to develop the link between exploitation and global impact.