



Curriculum Unit Plan for Home learning

Subject: **Geography** Unit: **Climate and Biomes** Year: **5**

Session 1	<p><u>What are biomes and climate zones?</u></p> <ul style="list-style-type: none">• Why doesn't the world all look the same? Write any thoughts you have before we start this unit.• Watch this video about biomes. Add any new information to your mind map; make sure you include a definition of 'biome'.• Watch this video about climate zones. Add any new information to your mind map; include a definition of 'climate zone'.	<p>You will need: Paper/ pencil Support:</p>
Session 2	<p><u>How are biomes different?</u></p> <ul style="list-style-type: none">• Click on this link to learn about different biomes in the Biome Viewer by turning the globe and selecting the coloured box to explain the conditions.• Find and investigate the following places (use the search tool in the Biome Viewer): UK; Manaus in Brazil; Gobi in China / Mongolia, Nunavut in Canada; Livingstone in Zambia.• Use the table below to compare similarities and differences between the 5 main biomes.	<p>You will need: Paper/ pencil Support: See table below</p>
Session 3	<p><u>How are climate zones different?</u></p> <ul style="list-style-type: none">• Select a mission to identify the different climates in different biomes. Details of the climates are on the right – select the climate zone to find out more about it.• Look back at your mind map from session 1 and you may want to find out more about climate zones here.• Create one of the following with the title: <u>Climate Zones</u>.<ul style="list-style-type: none">◦ A digital presentation◦ a video weather report from between 2 and 5 of the regions (click link to see an example)◦ a classic poster.	<p>You will need: Paper/ pencil/tech Support: Choose basic mission</p>
Session 4	<p><u>Biome Research</u></p> <ul style="list-style-type: none">• You are going to find out more about a biome of your choice.• Use the internet to research about biomes – try these sites:<ul style="list-style-type: none">◦ Website 1: Berkeley biomes◦ Website 2: Britannica biomes◦ Website 3: Kiddiscover biomes◦ Website 4: BBC Bitesize biomes articles• See the questions and vocabulary in the Support section below to help guide your research. Try to answer all these questions for your chosen biome.	<p>You will need: Paper/ pencil Support: See questions below</p>
Session 5	<p><u>Which biome is most under threat?</u></p> <ul style="list-style-type: none">• Watch this report here.• Use your research from session 4 to write a report about your chosen biome. There is a writing template with examples of sentence starters to support you below.• Read your report to a family member and ask them what they have learnt.	<p>You will need: Paper/ pencil Support: See news report template</p>



Session 6	Which biome is the most important? <ul style="list-style-type: none">• Re-read what you thought at the start of this unit.• Watch a video on biomes here.• Think about which biome you think is the most important in the world and give three reasons why.• Create a poster by drawing your chosen biome and what you could find in this biome (e.g. an animal) and what needs to be done to protect it.• Add the answers to the questions in the support section below onto your poster.	You will need: Paper and pencil Support: See below for questions
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Support

Session 2: Use this table to compare the locations and their biomes.

Location	Biome	Climate Zone	Maximum Temperature	Minimum Temperature	Maximum Rainfall	What types of trees / plants are found?	What types of animals are found?
UK							
Manaus, Brazil							
Gobi, China / Mongolia							
Nunavut in Canada;							
Livingstone in Zambia							



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Session 4:

Use these questions to help guide your research about 2 chosen biomes.

- Where does the biome exist?
Vocab to use: Northern / Southern hemisphere, East / West of UK
- What plants and animals live in the biome?
- What is the climate like in the biome?
Vocab to use: warm, wet, cold, dry, high temperatures, low temperatures, rainfall.
- What landforms exist in the biome?
Vocab to use: mountains, volcanoes, valleys, glaciers, rivers
- What makes this biome interesting to visit?
- How is this biome similar and different to the UK? (If investigating Temperate Deciduous Forest then compare to another biome of choice).
- What are the threats to this biome?
- How can we reduce threats and risks to this biome?

Session 5

<u>Paragraphs for your report</u>	<u>Examples</u>
1. Introduce your chosen biome	The Tundra biome is the coldest of all biomes.
2. Explanation of your biome – why it's important	There are many reasons why the Tundra biome is important; however one important reason is there are many animals which have adapted to live in the harsh habitat.
3. Threats/risks for biome	Unfortunately, one major risk to the Tundra biome is climate change as the warm conditions melt the icy environment.
4. Consequences/impact around the World	Without the Tundra biome, many animals will become extinct, such as the polar bear which relies on the ice and snow to hunt and survive.
5. Solution – how we can reduce threat to the biome	Humans can reduce the threat to the Tundra biome by reducing harmful, planet-warming pollution.



Session 6

- 1) What type of biome is it?
- 2) Why is this the most important biome?
- 3) What climate does your biome have?
- 4) What is the landscape like in your biome?
- 5) What plants and animals might you find in your biome?
- 6) Which biome is the most different to your chosen biome?
- 7) What could humans do to protect your chosen biome?