



Year 7 Topic 1 - Biomes 11 Lessons

Aims: This unit is designed to introduce students to different biomes around the world. Students will explore the different factors that influence biome location. They will examine the climate of different biomes, as well as animal and plant adaptations. They will learn about biotic and abiotic factors and the nutrient cycle. Students will consider the threats to biodiversity; the issues facing endangered species and different ways in which we can conserve and care for our different biomes and ecosystems, including projects such as CITES and REDD.

Links To KS3 National Curriculum:

This unit aims to ensure that students understand how human and physical processes interact to influence, and change landscapes, environments and the climate; and how human activity relies on effective functioning of natural systems.

Links to KS4:

Edexcel B, Paper 3, Topic 7 – People and Biosphere
Edexcel B, Paper 3, Topic 8 – Forests under Threat

| Key Skills | Literacy Links: | Numeracy Links: |
|---|--|--|
| <ul style="list-style-type: none"> • Build on their knowledge of globes, maps and atlases • Analyse and draw conclusions from geographical data • Interpret climate graphs • Use ICT to research different adaptations. | <p>Key words:</p> <ul style="list-style-type: none"> • Ecosystem; biome; abiotic; biotic; adaptations; conservation; environment; nutrient; endangered | <ul style="list-style-type: none"> • Climate graph analysis and interpretation • Figure / graph interpretation |
| Assessment | Cross-Curricular Links | |
| <p>An exam-style paper, consisting of a mixture of questions ranging in marks from 1 to 8. These will include short answer, multiple choice, longer written answers and interpretation and use of given figures and data.</p> | <ul style="list-style-type: none"> • Science | |
| | SMSC opportunities and British values | |
| | <ul style="list-style-type: none"> • Respect and tolerance – understanding the issues facing different biomes and the reasons for such issues. • Moral discussions about right and wrong, with regard to the environment and the role of humans in it. • An understanding of how citizens can influence decision-making | |

Opportunities for further learning

- **Option 1:** Revise Core Facts for the unit from your knowledge organiser
- **Option 2:** GCSE Pod activities on 'People and the Biosphere'
- **Option 3:** SMHW quizzes
- **Option 4:** Seneca Learning activities on 'People and the Biosphere'
- **Option 5:** BBC Bitesize resources on KS3 Geography: Ecosystems (<https://www.bbc.co.uk/bitesize/topics/ztgw2hv>)