

Subject	Year	Term
Geography	9	Autumn term 1
Topic		
The delicate balance- ecosystems		
Content + skills (Intent)		
Prior Learning (Topic)		
<i>KS2- human and physical geography biomes, vegetation belts,</i> <i>KS3 at Balcarras- We all agree save the sea (7) Perishing places (8) Cut down deforestation (8)</i>		
<p>Students will explore and develop the location of the world's major biomes and ecosystems contextualising them with locational knowledge of named ecosystems. Maps and atlas skills will be built on to describe patterns of location and key terminology will be introduced alongside this. They will explore key physical and human features within specific ecosystems e.g., deciduous, and coniferous forest, deserts, and rainforests. Food webs and food chains will be explored within named ecosystems. They will explore and build on previous knowledge how human and physical processes interact to influence and change landscapes and environments. A project will be completed within the deciduous and coniferous forest lesson allowing for pupil's freedom, hobbies and creativity to be incorporated. Once they have gained an insight into the biomes and ecosystems pupils will look to compare giving similarities and differences between two ecosystems through a literacy based graded assessment.</p>		
Future Learning (Topic)		
<i>KS4- Year 11 living world</i> <i>KS5- Year 13- Water and carbon, Coasts</i> <i>Cross curricular- Science</i>		
How will knowledge and skills be taught? (Implementation)	How will your understanding be assessed & recorded (Impact)	
<p>A series of 8 lessons covering the world's major ecosystems and biomes Introduction to worlds major biomes and ecosystems</p> <p>Deciduous and coniferous forest- Bears and mushrooms survival</p> <p>Rainforests Deserts</p>	<p>A project to show pupils understanding of deciduous/coniferous woodland and the survival of bears and mushrooms within an one of these ecosystems- individual, paired or group task.</p> <p>A written literacy diary entry task to show pupils understanding of deserts and rainforests. The similarities and differences between them as well as the human influence/use. Individual graded assessment</p> <p>Ecosystems skills worksheet</p>	
How can parents help at home?		
<p>Support with homework and revision techniques for graded assessments. Discuss current affair issues by watching/reading the news. Download the BBC or Guardian news app and set to environmental notifications to receive the most update articles. Watching relevant documentaries e.g. David Attenborough, wildlife/environments.</p>		
<p>The virtual rainforest- http://www.virtual-rainforest.org/ Virtual tour of the Amazon rainforest https://historyview.org/library/amazon-rainforest/ Cotswold wildlife park Bristol zoo (soon to be Wild place project 2024) Feed the dingo ecosystem survival game- https://www.pbslearningmedia.org/resource/plum14.sci.life.feeddingo/feed-the-dingo-an-ecosystem-game/ Video- How environmental issues are impacting our planet https://www.youtube.com/watch?v=5XDvAGDgZX0&t=6s</p>		
Conversation Starters:		
<p>Animals should have the same rights as humans Climate change is the greatest threat to animals' survival in an ecosystem The sale of fur should be banned Zoos should be banned Should we hold back development for the sake of saving a single species?</p>		
Helpful further reading/discussion		
Reading	Vocabulary Lists	Careers Links
<p>National geographic kids Gorilla dawn- Gill Lewis (in school library) Sky dancer- Gill Lewis (in school library) What a Wonderful World- Leisa Stewart-Sharp and Lydia Hill</p> <p>Island – Nicky Singer Little Bird Flies by Karen McCrombie (in school library)</p>	<p>Biome, ecosystem, biotic, abiotic, biotic, food web, food chain, producer, consumer, decomposer, recycling,</p>	<p>Jobs linked to themes within the topic within lessons.</p> <p>Homework task to create job advert for a career/job linked to the topic</p>

Little Bird Lands by Karen McCrombie (in school library) Tiger Wars by Steve Backshall (in school library)		https://nationalcareers.service.gov.uk/job-profiles/ecologist https://www.prospects.ac.uk/job-profiles/ecologist
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