

Subject	Year	Term
Environmental Science	12	1
Topic		
Selected Habitats		
Content (Intent)		
Prior Learning: KS4 national curriculum and KS4 B7 Ecology topic		
<ul style="list-style-type: none"> Habitat conservation focussing on Woodland, tropical rainforest, coral reefs, deep water reefs, mangroves, islands and antarctica. Students should know the features of these 7 habitats, threats to the habitat as well as the conservation measures in place to conserve them. 		
Future Learning: Research methods: Standard environmental techniques, Fieldwork and lab skills, Specialist techniques, residential field course.		
How will knowledge and skills be taught? (Implementation)	How will your understanding be assessed & recorded (Impact)	
<p>Practical work: suggested practicals investigating the difference in species abundance in different habitats. Use of quadrats and line transects in measuring the distribution of spp. Kick sampling measuring river spp abundance at a local nature reserve.</p> <p>Written: Notes and completed worksheets in exercise books. Written explanation on key ecological concepts in addition to the ecological features, importance, threats and conservation methods of 7 key habitats.</p>	<p>- 1 x Standard Homework Tasks: Level given. Written feedback. Response expected.</p> <p>-1 x Mock exam at end of term 1, and another at end of term 5: Level given. Verbal and written, feedback to class and individuals. End of section open book in class test by Easter.</p>	
How can parents help at home?		
<ul style="list-style-type: none"> Wilding – Isabella Tree There Is No Planet B: A Handbook for the Make Or Break Years – Mike Berners-Lee Adventures of a young naturalist – David Attenborough Bee Quest - Dave Goulson A buzz in the meadow - Dave Goulson Silent Spring - Rachel Carson 		
Helpful further reading/discussion		
<p>Reading Any BBC David Attenborough series https://www.sciencedaily.com/ https://www.iucn.org/</p>	<p>Vocabulary Lists Woodland, tropical rainforest, coral reefs, deep water reefs, mangroves, islands and antarctica, threat, ecological features, niches</p>	<p>Careers Links Environmental health officer Ecologist Biodiversity conservation</p>