Scheme of Work

	Lesson 1	Lesson 2	Lesson 3
Length	Approx. 1 hour	Approx. 1 hour	Approx. 1 hour
Objectives	 To describe the impact of habitat loss on an ecosystem. To identify moral and economic arguments for conserving the natural environment. To reflect on the importance of wildlife and human impact. To interpret different sources of information. 	 To interpret different sources of information. To recap key definitions. To explore the human impact on different ecosystems. To collaborate with peers to summarise the different ways humans impact on ecosystems. 	 To interpret different sources of information. To evaluate different techniques for studying organisms. To collaborate with peers in a group activity. To produce a brief study proposal.

Lesson plans for each session can be found on the following pages.

Lesson 1 plan

Starter activity	Learning objectives	
Starter activity Answer the question: How do humans benefit	<u> </u>	
from nature?	To describe the impact of habitat loss on	
nom nature:	an ecosystem.	
Students write answers on sticky notes or place	To identify moral and economic	
them in a Padlet wall.	arguments for conserving the natural	
them in a radiot wall.	environment.	
	environment.	
	To reflect on the importance of wildlife	
	and human impact.	
	and naman impact.	
	To interpret different sources of	
	information.	
Main activities	Resources required	
Look at the graphic on Step 1.3 and get	Access to FutureLearn course.	
students to create their own definitions of the		
key words visible. Peer-review to compare	Sticky notes (if chosen method).	
definitions with the Glossary on Step 1.11.		
Otroloute businest and ideas are become like at a sub-	3. Padlet wall (optional).	
Students brainstorm ideas on how reliant each	4. Devises to watch vides on	
level of the ecosystem is on the other organisms within it. Then read article on Step 2.3.	4. Devices to watch video on.	
Within it. Therriead article on Step 2.5.	Assessment for Learning	
Go to exercise on Step 2.4 and get class to vote	Peer-marking of definitions.	
or predict what they think will happen if the coral		
reef dies. Students note down the conclusions	Class vote on coral reef loss.	
and key points discussed as the teacher	Differentiation	
scaffolds their learning.	SEND: Videos have subtitles.	
Watch the video on Stan 1.2 getting students to		
Watch the video on Step 1.2 getting students to note down the arguments for conserving the	Low ability: Peer-learning.	
natural world in a table with two columns: moral	Gifted and Talented: Peer-teaching.	
argument and economic argument.		
	Plenary	
	Students return to the answers they posted in	
	the starter activity and identify which benefits	
	would be lost if human activity destroyed a	
	habitat, explaining why.	

Lesson 2 plan

Starter activity	Learning objectives
Students create an image that represents the different between a community and a population. They can select any organisms or environments they wish. Students peer-mark their images and give them a score out of 10 for creativity and accuracy.	 To interpret different sources of information. To recap key definitions. To explore the human impact on different ecosystems. To collaborate with peers to summarise the different ways humans impact on different ecosystems.
Main activities	Resources required
Split class into three groups to learn about different case studies; identifying the problem and its effect, and any other useful or interesting information: 1. Watch video on wind farms in Step 1.5 then look at the data in the interactive map in Step 1.6 and answer the questions. 2. Watch video on coral reefs in Step 2.2 and read article below it. 3. Watch video on bees on Step 2.6 and read article on Step 2.7.	Access to FutureLearn course. Devices to watch videos on. Paper or technology as appropriate to present findings. Assessment for Learning Group summary of research shared with class. Differentiation SEND: Videos have subtitles. Low ability: Peer-learning and scaffolding by
Each group must select a format to present their findings to the rest of the class (e.g. slideshow, poster, video etc) Debrief: each group summarises what they've learned to the rest of the class who make notes. The teacher scaffolds throughout to reach all key learning points. Best team presentation wins.	the teacher. Gifted and Talented: Peer-teaching and extension activity: read through the Case Study on Step 2.9. Plenary Students pick one organism of their choice (not already mentioned) and describe how humans are impacting on their survival and the survival of their ecosystem.

Lesson 3 plan

Starter activity	Learning objectives
Answer the questions: How can humans	 To interpret different sources of
impact positively on the natural world?	information.
Students write answers on sticky notes or	T 1 1 1166 11 1 1 1 1
place them in a Padlet wall.	To evaluate different techniques for tudying organisms.
	studying organisms.
	To collaborate with peers in a group
	activity.
	To produce a brief study proposal.
Main activities	Resources required
Teacher sets the scene by explaining how	Access to FutureLearn course.
important it is to study an environment in order to conserve it.	Devices to access information.
to conserve it.	2. Devices to access information.
Class watches video on Step 2.7 to find out	3. Sticky notes (optional).
about various methods of studying pollinators.	
Then they work through the exercise on Step	Padlet wall (optional).
2.8 to learn how to use bioacoustics for	Assessment for Learning
studying insects.	Proposal for studying environments.
Children has in the man and consol the	Differentiation
Students brainstorm the pros and cons of the different methods of studying pollinators,	SEND: Videos have subtitles.
scaffolded by the teacher.	Low ability: Peer-learning
Source by the teacher.	Low ability. Feel-learning
Students work in groups of three to put	Gifted and Talented: Peer-learning and
together a short proposal for how to study an	assessment
organism of their choice (not already	Plenary
mentioned). Their proposal must include: what	Students create a mnemonic to remember the key
they will record, how they will record it and what they should learn from their data.	things for considering when studying natural
what they should learn from their data.	environments.
Additional roles: One person from each team	
will present the proposal, another will be part	
of the judging panel.	
The person presenting from each team is	
interviewed by a panel of their peers about	
their plan (they could be given a 'phone a friend' option to get support from their team).	
The panel decides which team wins based on how practical and ethical the proposal is.	