

Previous Knowledge	KS2-Knowledge of different habitats/food chains				
Lesson Number	Title	Lesson Objectives	Content	Key words	Assessment/Homework
1	Continuous and discontinuous variation	<ul style="list-style-type: none"> What is variation? 	<ul style="list-style-type: none"> Define the term species Identify differences between species Differentiate between continuous and discontinuous variation 	<ul style="list-style-type: none"> Continuous/discontinuous variation Species 	
2	Skills focus:	<ul style="list-style-type: none"> How to present information as bar charts and draw conclusions 	<ul style="list-style-type: none"> Students present information collected from lesson one to draw graphs 	<ul style="list-style-type: none"> Axis Units Bar chart Line graph 	
3	Inherited variation and environmental variation	<ul style="list-style-type: none"> What's the difference between inherited variation and environmental variation? 	<ul style="list-style-type: none"> Discuss variation that is inherited vs variation caused by the environment Describe what causes inherited variation (reference to genetics) 	<ul style="list-style-type: none"> Inherited variation Gametes Sexual reproduction Egg/sperm 	
4	Habitats	<ul style="list-style-type: none"> How are animals adapted to survive in different habitats? 	<ul style="list-style-type: none"> Different habitats have different features which the animals living in that habitat must adapt to in order to survive Identify and describe some adaptations of animals and plants for different habitats 	<ul style="list-style-type: none"> Environment Adaptations Habitat 	
5	Food webs	<ul style="list-style-type: none"> Who eats who? 	<ul style="list-style-type: none"> Represent feeding relationships via food chains and food webs Discuss interdependence Maths skills: interpret predator prey cycle graphs 	<ul style="list-style-type: none"> Predator Prey Interdependence 	Quick Quiz

6	Toxins in the food chain	<ul style="list-style-type: none"> How can toxins travel through the food chain? 	<ul style="list-style-type: none"> Explain how the accumulation of toxic materials can impact the food chain 		
7	Competition	<ul style="list-style-type: none"> Why do organisms compete with one another? 	<ul style="list-style-type: none"> That organisms in a habitat may compete for resources Those that are better adapted will survive. Those that haven't adapted well may face risk of extinction 	<ul style="list-style-type: none"> Adaptation Competition Natural selection Extinction 	
8	Natural selection	<ul style="list-style-type: none"> How do we evolve? 	<ul style="list-style-type: none"> Discuss how some organisms are better adapted than others, these organisms survive and can pass on their genes to their offspring 		
Where we will use these ideas again		Ks4 Bio: unit 7 variation and evolution Ks4 Bio: Unit 8: Ecology			