

AQA TRILOGY Biology		Covered in Lesson	Diagnosis			Revised		
B2.3 Ecology			R	A	G	1	2	3
B2.3.1 Adaptations, interdependence and competition	Recall what an ecosystem is							
	Describe which resources animals and plants compete for, and why they do this							
	Explain the terms 'interdependence' and 'stable community'							
	Name some abiotic and biotic factors that affect communities							
	Explain how a change in an abiotic or biotic factor might affect a community							
	Describe structural, behavioural and functional adaptations of organisms							
	Describe what an extremophile is							
B2.3.2 Organisation of an ecosystem	Represent the feeding relationships within a community using a food chain and describe these relationships							
	Explain how and why ecologists use quadrats and transects							
	Describe and interpret predator-prey cycles							
	<i>Required practical 9: measure the population size of a common species in a habitat. Use sampling to investigate the effect of one factor on distribution</i>							
	Describe the processes involved in the carbon cycle							
	Describe the processes involved in the water cycle							
B2.3.3 Biodiversity and the effect of human interaction on ecosystems	Describe what biodiversity is, why it is important, and how human activities affect it							
	Describe the impact of human population growth and increased living standards on resource use and waste production							
	Explain how pollution can occur, and the impacts of pollution							
	Describe how humans reduce the amount of land available for other animals and plants							
	Explain the consequences of peat bog destruction							
	Describe what deforestation is and why it has occurred in tropical areas							
	Explain the consequences of deforestation							
	Describe how the composition of the atmosphere is changing, and the impact of this on global warming							
	Describe some biological consequences of global warming							
	Describe both positive and negative human interactions in an ecosystem and explain their impact on biodiversity							
Describe programmes that aim to reduce the negative effects of humans on ecosystems and biodiversity								