Lesson	Know		Apply		Extend	
9.1.1 Food chains and webs	I can state the definition of a food chain.	☐	I can describe what food chains show.	☐	I can explain the link between food chains and energy.	☐
	I can state the definition of a food web.	☐	I can describe what food webs show.	☐	I can explain why a food web gives a more accurate representation of feeding relationships that a food chain.	☐
			I can combine food chains to form a food web.	☐		
9.1.2 Disruptions to food chains	I can state that one population of organisms can affect another.	☐	I can describe the interdependence of organisms.	☐	I can explain the interdependence of organisms.	☐
	I can state that toxic material can get into food chains.	☐	I can explain effects of toxic materials on a species' population.	☐	I can explain how toxic materials can accumulate in human food sources.	☐
	I can present population data as a graph, and decribe simple patterns shown.	☐	I can present population data as a graph to describe trends and draw conclusions.	☐	I can present population data as a graph, explaining trends and drawing detailed conclusions from data provided.	☐
			I can explain issues with human food supplies in terms of insect pollinators.	☐		
9.1.3 Ecosystems	I can state that different organisms can co-exist.	☐	I can describe how different organisms co-exist within an ecosystem.	☐	I can explain why different organisms are needed in an ecosystem.	☐
	I can state the definition of the term niche.	☐	I can identify niches within an ecosystem.	☐	I can explain why different organisms within the same ecosystem have different niches.	☐

Lesson	Know	Apply	Extend
	I can record data from sampling an ecosystem.	I can use quadrats to take measurements in an ecosystem, and describe trends observed.	I can use quadrats and transects to take unbiased measurements in an ecosystem, and describe trends observed in data.
9.1.4 Competition	I can state some resources that plants and animals compete for.	I can describe some resources that plants and animals compete for.	I can explain the effect of competition on the individual.
	I can interpret secondary data to describe simple predator-prey relationships.	I can interpret secondary data to describe trends and draw conclusions about predator-prey relationships.	I can make a deduction based on data about what caused a change in the population of a species.
			I can suggest what might happen when an unfamiliar species is introduced into a food web.