



Year 8: ASK Yourself!

Subject: Science

Unit: 8.1 – Looking at Plants and Ecosystems

	Launching	Developing	Progressing	Mastering
S kills				
	I need to be able to write food chains correctly.	I can partially carry out tests for evidence of photosynthesis. I can partially combine food chains to form food webs.	I can confidently use models to investigate the impact in a population of one organism on others.	I can expertly make deductions based on data. I can expertly develop arguments about the impact organisms have on population numbers.
K knowledge				
	I need to know that organisms in food chains depend on each other for nutrients. I need to know how plants make food through the process of photosynthesis.	I partially know how populations are affected by competition, disease, pollutions and predator/prey numbers. I partially know how plants have specially adapted structures that allow them to photosynthesise.	I confidently know what might happen when you introduce an unfamiliar species into a food web. I confidently know the factors that affect the rate of photosynthesis.	I understand and can apply word and symbol equations for the process of photosynthesis and respiration. I understand and can apply the process of aerobic and anaerobic respiration.