

**Unit Overview – Ecosystems 2**

**Target grade for tests: .....**

**You will learn about:**

- Respiration
- Photosynthesis

**You will be able to:**

- Examining consequences
- Plan an investigation



<b>Key learning points</b>		<b>Key Words</b>
Describe the process of aerobic and anaerobic respiration		Respiration
Describe the process of fermentation with yeast		Aerobic
Explain the process of photosynthesis		Anaerobic
Describe the uses of glucose produced in plants		Oxygen
Describe and carry out the process of testing for starch in a leaf		Carbon dioxide
Describe how plants are adapted to obtain carbon dioxide and water		Water
Describe the minerals needed for healthy plant growth and explain the effects when these are in short supply		Glucose
Explain the factors that affect photosynthesis		Fermentation
Skill: Collect data, devise questions, plan variables and test hypothesis		Yeast
Skill: examine consequences		Photosynthesis
		Starch
		Cellulose
		Amino acids
		Minerals
		Fertilisers
		Growth
		Limiting factors

**Links to other subjects:**

**SMSC**

- Evaluate the human impact of pesticides on food chains.

**Numeracy**

- Calculate biomass of trophic levels.

**Literacy**

- Develop explanations for pollination and seed dispersal methods.