

## Triple Unit Overview – B7 Ecology in action

### You will learn about:

- Classification of organisms and how they are distributed.
- Adaptation and food chains and how material moves around in cycles.
- Waste management and land use linking to global warming.

### You will be able to:

- Carry out an investigation looking at the spread of organisms through a habitat using sampling techniques.



<b>Key learning points</b>		<b>Key Words</b>  Biodiversity Communities, Abiotic Biotic factors Ecosystem community, competition, habitat, Interdependence. Phylum Order Organisms Classification Herbivore Ecosystem Distribution Consumer Quadrat Transect Species Genus Family Kingdom Class
Classification		
Communities, abiotic and Biotic factors		
Distribution of organisms		
Sampling required practical		
Adaptation and food chains		
Pyramids of number and biomass		
Decomposition		
Fisheries		
Material cycles		
Biodiversity		
Waste management and land uses		
Global warming		
<b>Links to other subjects:</b>		
SMSC		
<ul style="list-style-type: none"><li>- Explain every day and technological applications of science; evaluate associated personal, social, economic and environmental implications; and make decisions based on the evaluation of evidence and arguments.</li><li>- Appreciate the power and limitations of science and consider any ethical issues which may arise.</li></ul>		
Literacy		
<ul style="list-style-type: none"><li>- Use scientific vocabulary, terminology and definitions.</li><li>- Make and record observations.</li><li>- Present reasoned explanations including relating data to hypotheses.</li></ul>		
Numeracy		
<ul style="list-style-type: none"><li>- Make estimates and explain why they may be important.</li><li>- Calculate mean averages and percentage of numbers of organisms.</li></ul>		