

Curricular Mapping Tool - N5 Environmental Science



Practical work to support
Environmental Science

Key Area	SSERC Resources
<p>KA1 - Investigating ecosystems and biodiversity</p>	<ul style="list-style-type: none"> • In Bloom - hanging drop • Counting algae using a haemocytometer • Explore our World - Challenge 1 • Explore our World - Challenge 2 • Explore our World - Challenge 3 • Sampling using quadrats • Sampling basics and a folder of sampling techniques • Brine Shrimp ecology practical activities • Let's Talk: Peat Bogs • Biodiversity Discussion Activity
<p>KA2 - Interdependence</p>	<ul style="list-style-type: none"> • Dissecting owl pellets - looking at food webs • Investigating photosynthesis using seaweed and bulletin • Investigating photosynthesis using immobilised algae • Investigating photosynthesis using spinach discs • Investigating photosynthesis using Egeria najas • Photosynthesis with Egeria - Bulletin article • Investigating respiration using carbon dioxide gas sensors • Dehydrogenase activity: Pupil Guide and Teacher Guide • Algae and Photosynthesis / Respiration • Nitrogen cycle activity

Key Area	SSERC Resources
KA2 - Interdependence continued	<ul style="list-style-type: none">• Nitrogen cycle bulletin article• Limiting factors of photosynthesis• Assignment Suggestions - Bulletin from 2017
KA3 - Human influences on biodiversity	<ul style="list-style-type: none">• Biodiversity and species richness• Let's Talk - Environment (Discussion Activity)• Food security - Case Study ppt and resource• Eutrophication, A case study (Loch Leven) and Fertiliser design• Fertilisers and Food Security - Bulletin• Eutrophication - Bulletin• Carbon dioxide and global warming• Agriculture, food and food security
Additional resources of use in this section	<ul style="list-style-type: none">• Doing it Outdoors - Bulletin article• Graphing and statistical analysis using R• Embracing outdoor learning