

Subject	Year	Term
Environmental Science	13	2
Topic		
Pollution		
Content (Intent)		
Prior Learning (Topic)		
<p><i>Biomagnification</i></p> <p><i>Bioaccumulation</i></p> <p><i>Anthropogenic changes to the atmosphere</i></p> <p><i>Acid Rain</i></p> <p><i>Climate change</i></p> <p><i>Ozone</i></p> <p><i>Troposphere</i></p> <p><i>Agriculture</i></p> <p><i>Acid mine drainage</i></p> <p><i>Radiation</i></p>		
Future Learning (Topic)		
<p>The properties of pollutants</p> <p>How environmental features affect the severity of pollution</p> <p>Strategies to control pollutants based on their properties and features of the environment</p>		
How will knowledge and skills be taught? (Implementation)	How will your understanding be assessed & recorded (Impact)	
<p>Note taking</p> <p>calculate percentage yields, eg in pollution control.</p> <p>use the term probability appropriately when investigating casual relationships such as the link between human health problems and urban pollutants.</p> <p>analyse data collected using random or systematic sampling, eg Simpson's index of diversity to compare the biodiversity of habitats exposed to different pollution types.</p> <p>use the chi-squared test to assess the impacts of different pesticides on non-target insect species.</p> <p>calculate the standard deviation of tropospheric ozone levels in a city.</p> <p>Practical: plan an activity to investigate environmental issues related to pollution.</p> <p>Monitor water pollution at different locations using an aquatic invertebrate biotic index</p> <p>use a transect to measure noise levels with increasing distance from a road.</p>	<p>- Homework Booklet marked and written feedback given</p> <p>Test marked, graded and feedback given</p>	

How can parents help at home?

Look at the topic specific resources on the VLE

Use appropriate YouTube channels

Encourage students to write revision cards

Look at the specification on the AQA website

Complete past papers (on the AQA website)

Take an interest! Ask your children what they have learnt and be curious about their learning.

Helpful further reading/discussion

Reading

Environmental Science
Chapter 10

Vocabulary Lists

Specificity

Reactivity

Persistence

Mutagenic

Adsorption

Carcinogenic

Degradation

Dispersal

Teratogenic

Critical pathway analysis

Emission

Photochemical

Desulphurisation

Organophosphate

Pyrethroid

Neonicotinoid

Eutrophication

Effluent

Careers Links

See VLE