

Eco-School mapping/audit



Water

Year group	Subject	Details
8	Languages	French - Ecology & water cycle - 8 ways of helping environment including use of and importance of water - produced poster/logo about saving/economising water.
9	Languages	German - as part of environmental project. Use of ICT to make posters about turning off taps etc to save water.
10/11	Languages	German - Discussion of environmental issues. Coursework and preparation for oral exam.
10	History	Link between flooding of the Nile and settlement of Ancient Egypt, leading to 1 st natural theory of disease. Students appreciate that geographical factors can affect rate of progression/change.
10	History	Value of clean water, when studying the Great Clean Up during industrial revolution. Students appreciate dirty water can lead to disease.
9	Science	Photosynthesis - plants need water for photosynthesis to produce food etc. Part of the photosynthesis equation.
8	Science	Rocks and Weathering - water forms part of the rock cycle and its effect on rocks.
11	Science	Water cycle - Comparison of ...
11	Citizenship	Mentioned in world development/sustainable development of power
8	Geography	Rivers (mainly the processes at work and features) Floods (why they happen, effects on people and the environment)
9	Geography	Development - issues of lack of water/lack of clean water in LEDC's. Where people get their water from, diseases etc. Comparisons of large scale developments (dams) v small scale e.g. hand dug wells. Understanding of the issues. Students deciding which are more sustainable and why.
10	Geography	Water, Landforms and People - features, river processes, water management (positive and negatives), excess water and drought (plus consequences) - sustainability.

Biodiversity

Year group	Subject	Details
7	Languages	French - endangered species (elephant) Pupils read facts about elephants, research other endangered species and produce own poster/information leaflet.

8	ICT	Endangered species - students produce a PowerPoint
10	History	Prehistoric life - closeness and knowledge of plants/animals leading to cures/remedies. Students understand that many drugs have come from plants/herbs etc.
11	History	Dependence of Native Americans on the Buffalo. Students understand the close link between humans and their natural environment.
7	Science	Biodiversity - using keys to identify animals.
8	Science	Biodiversity - adaptations of animals. Where animals live. Classifying animals (invertebrates and vertebrates)
KS4	Science	B1a - Evolution of animals, adaptations, extinction
10/11	AEN	ASDAN challenge - Student produce fact sheet on British mammals Written account and visit to local beauty spot.
7	AEN	Forest School - Portfolio based - students acquire John Muir awards
9	Religious Studies	Briefly mentioned within 'creation' theories
11	Citizenship	Environmental issues/responsibility
7	Geography	Ecosystems - how the ARF operates as an ecosystem, food webs/chains, human impacts, conservation, species adaptation.
11	Geography	Ecosystems both local and international, structure, exploitation and sustainability.

Energy

Year group	Subject	Details
9	Languages	German - as part of Environmental topic - to produce poster.
8	Languages	French - as part of Environmental topic - to produce poster.
All year groups	Design and Technology	General references to good conduct with machines use
All year groups	ICT	Encouraging students to shut down PCs to save power!
10	History	The growth of China as a super-power. Greenhouse effect etc. Students appreciate that some countries 'need' to burn fossil fuels to become industrialised.
7	Science	Renewable and non-renewable energy.
9	Science	Electrical energy - how energy is produced. How to reduce energy use and alternative renewable energy.
KS4	Science	P1a Energy - electrical energy. Production of energy.

		Fossil fuels v renewable energy
10/11	AEN	ASDAN Challenge - Students research, create written work on renewable energy
11	Citizenship	Sustainable development

Global Perspectives

Year group	Subject	Details
10	Languages	Spanish - Global perspectives on business - NVQ portfolio, visit to business with international links.
9	History	Slavery - America and now. Students appreciate that slavery is ongoing, not just in the past.
7	History	"Windrush" movement and migration. Also conquests/invasions e.g. Romans, Saxon, Vikings. Students appreciated that our society is diverse with global links.
KS4	Science	C1b Global warming and its effect on the world. Greenhouse effect. Ozone layer destruction.
8	Science	Acid Rain
9	Science	Acid Rain, global warming, pollution and its effect on the environment
10/11	AEN	ASDAN award - International links
10/11	Citizenship	Global Business - economy The whole unit called "The Global Village"
All year groups	Geography	This one is difficult. We cover it in all year groups in lots of different ways, through physical, human and environmental geography. If you need anything more specific I could give you the topic headings but it fits in some way to virtually all lessons. E.g. a whole unit on Uganda and its development. Whole unit on Fairtrade.

Healthy living

Year group	Subject	Details
7/8	Languages	French & German - vocabulary of different types of food - which are healthy or unhealthy and why smoking/drugs are unhealthy.
10/11	Languages	French & German - vocabulary of different types of food - which are healthy or unhealthy and why smoking/drugs are unhealthy.
KS3	Food Technology	Specific reference to healthy eating - see VB.
KS4	PE	GCSE - diet, nutrition. What is health/fitness etc.
KS3	PE	Fitness - reasons for a healthy lifestyle. Student have 4 x 50 minute lessons per week.
10	History	Past societies attribute towards prevention and cure of disease e.g. Greek Olympics. Students understand

		and purpose of prevention and treatment of diseases.
7	History	Roman Army - emphasis on fitness e.g. recruitment. Student make link between diet, exercise etc. And fitness/health
8	Science	Nutrition and food digestion
9	Science	Fit and Healthy - smoking, drugs, balanced diet
KS4	Science	Diet and its effect on the heart Drugs and smoking and its effects on the body Saturated/unsaturated fats - link to cholesterol
All year groups	PSHE	All health units SEAL in all year groups via most units. Mental Health in Y9 & Y11 In fact our whole curriculum!
7	AEN	Nurture group - worksheets and discussion
10/11	AEN	ASDAN challenge - Health and fitness, sport and leisure and independent living. Written evidence for portfolio.

Litter

Year group	Subject	Details
9	Languages	French - as part of Environmental topic - to produce poster
9	Languages	German - as part of Environmental topic - to produce poster
KS3	Design & Technology	Broadly covered in aspects of landfill, recycling, fabrics, food
KS4	Graphics and Food Technology	Knowledge about packaging
9	History	Life in the middle ages - dirt and disease. Students know that people in the past (before germ theory) made some links between dirt and disease.
10	History	Germ theory of decay and disease. As above.
KS4	Science	C1b Plastics. Impact of manufacturing.
10	Citizenship	Local Agenda 21

School Grounds

Year group	Subject	Details
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8	Science	Used of quadrats to estimate populations of plants Using different techniques to estimate animal populations and species present
7	AEN	Gardening, planting seed. Students participate in improving environment - feeling of ownership of part of the school.
10	Citizenship	Various activities during Citizenship week

Transport

Year group	Subject	Details
10/11	Languages	Environmental topic for coursework etc.
10	Design & Technology	Food - local produce, seasonal fruit & vegetables, flat pack furniture.
All year groups	PE	Rules for crossing to the field.
9	History	Industrial Revolution - transport revolution. Students realise that changes in transport have led to more efficient systems - or have they?
KS4	Science	B1b Acid Rain and greenhouse effect - impact caused by cars and transport.
9	Science	9G - Acid rain, fossil fuel burning caused by transport.
10/11	AEN	Traffic survey - graphs and discussion.
11	Citizenship	Pollution/traffic congestion/who pays - "Car Crisis"
10	Geography	The Peak District National Park - traffic, congestion, air pollution - towards a sustainable future. Sheffield - as above.

Waste

Year group	Subject	Details
8	Languages	French & German - as part of Environmental topic - to produce poster.
9	Languages	French & German - as part of Environmental topic - to produce poster.
10/11	Languages	French & German - as part of Environmental topic - to produce poster.
9	Mathematics	Some calculations of how many plastic bottles make an article of clothing.
10	Study Plus	Global warming - influences and how one factor affects another - rain/deforestation/sea level/sea temperature etc.
All year	Design & Technology	General common references to good practice.

groups		
All year groups	ICT	In general reiterating avoiding wastage with printing, encouraging recycling of paper and toner cartridges. Students store work electronically wherever possible.
KS4	Science	B1b Sustainable plastics
KS4	Science	B2 Biodegrading materials
10/11	AEN	Environment module - student produce evidence for portfolio.
11	Citizenship	"Waste not, want not" Recycling as part of Global theme