

Sample Curricular Audit

Subject: Art and Design		Principal Teacher: R Walker	Date of Audit: March 2013
Year Group	Topic	Activity	
S1/2	Fashion Show	All S1 and S2 classes using natural materials collected by the department – theme is Nature end of March 2013	
	Junk sculpture	Class brought in items from home to create 3D sculpture (cereal boxes/bottles etc)	
	Junk jewellery	As above, recycling waste products	
Some S3 classes	Fashion Show	As above	
1 S3 class	Dockyard project	Painting project, one class to visit Babcock (April 09) to record through photography/sketch the impact of industry versus nature	
1 S3 class	Posters	Environment/litter/Fuel saving/ Historic Fife	
1 S4 class	Fashion Show	As above	
	Essay work	SQA essay on the work of Olivero Toscani, innovative creative Director of The Benetton Clothing Company from 87-97. Topics include images of anti- racism, pollution/ mental health/poverty/climate change.	
S5/6 Higher Photography	Landscape/nature	Recording in the local environment/home/school/ nature. Theme for some pupils to create a folio of photographs for coursework	
S6 small group	Fashion Show	As S1/S2/S3/S4	
2 pupils	Dockyard project	Recording working life at Babcock Rosyth. Pupil choice as to approach but will include elements of industrial power and contrast with the Forth and surrounding environments	
Whole School Eco Action/Extra Curricular	Dining hall and corridor murals	One 4x4 mural for each year. Hand picked pupils to paint image based on healthy eating/living (April 09)	
	Lantern Festival	Decorating biodegradable lanterns to celebrate the Chinese New Year in February 2011	
	Garden Intervention	Paintings are carefully placed in the courtyard gardens to engender interest and improve the school grounds	
	“Trashion Show” see details above	S1 –S3 Pupils model and present to all school to the whole school. All departments were invited.	
	Participating in the Eco Schools Recycling program for Recycle Fife	Bottles and cans recycled in the Department	
	Increasing the displays of Art work in corridors and school Grounds	January 2013 – pupil work on display	

Subject: Biology	Principal Teacher: T Edgerton	Date of Audit: March 2013
Year Group	Topic	Activity
S2	Living Things	Pupils learn about the idea of extinction and what causes it and how it can be reduced Pupils investigate how this affects biodiversity
S3	Ecosystems	Pupils understand the reasons for the distribution of plants and living things Investigating the impact of pollution on living things
S4	Intermediate Science	Pupils learn about seeds and how to grow plants Pupils cultivate and grow flowers plants and vege-
S5/6	Higher Plant adaptation Population monitoring Advanced Higher	Pupils observe and investigate how plants are adapted to their environment Learning about the impact of growing populations Possible specialist topic for dissertation and in-depth investigation
Whole School / Extra Curricular	Sustainable resources Zoo Lab	Department buys recycled paper Links with Geography to organise workshops for S2 pupils

Subject: Chemistry			Principal Teacher:			Date of Audit: March 2013		
			P Edgerton					
Year Group		Topic		Activity				
S2		Metals		Pupils find out about recycling in Fife and how much can be saved by recycling.				
S3/4 Standard Grade Intermediate 1		Fuels – renewable finite pollution Energy Metals		<p>Pupils become more aware of the need to conserve finite supplies of fuels and for the need to investigate renewable energy sources. They become more familiar with the problems of pollution and how we can minimise and combat it.</p> <p>Pupils find out about the resources we use to produce electricity.</p> <p>Raises awareness of the need to recycle.</p> <p>Pupils appreciate the need for fertilisers but also the problems associated with their over usage.</p>				
S5/6		Fuels – biofuels The Chemical Industry		<p>Pupils research the impact of biofuels on the environment.</p> <p>Pupils research the challenges associated with building a chemical plant including environmental factors.</p>				

Subject: CDT			Principal Teacher:			Date of Audit: March 2011		
			E McGowan/L Lownie					
Year Group		Topic		Activity				
S1/2		Technology		<p>Assess the impact of technologies on society.</p> <p>Investigate fossil fuels and renewable energy sources, assess impact of environment.</p>				
S3/4		Materials		Consider the environmental impact of sustainable material against non-sustainable.				
Whole School / Extra Curricular		Bird Boxes Planting boxes Participating in the Eco Schools Recycling program for Recycle Fife Visit to Dynamic Woods in Oakley Area of woods which has been recently reclaimed - Dec 2010		<p>Pupils and staff have made bird boxes for school grounds</p> <p>Pupils have used the equipment in CDT to make planters for gardening projects Bottles and cans are recycled in the Computing Department</p> <p>Visit from S3/4 pupils to see how woods are managed and choose a piece of sustainable timber</p>				

Subject: Computing			Principal Teacher:			Date of Audit: March 2013		
			R Scott					
Year Group		Topic		Activity				
All year groups		Using ICT		Pupils use computers rather than paper to present and store work as much as possible				
S3 upwards		Energy saving		Pupils become more aware of the how energy can be saved using monitors.				
S3 upwards		Use of technology		Pupils learn how technology can be used to save energy around the house .				

Subject: Drama			Principal Teacher:			Date of Audit: March 2013		
			L Nicholson					
Year Group		Topic		Activity				
Whole School Eco Action/ Extra Curricular		Biannual School Show		<p>Pupils are preparing to present the school show in 2013. Costumes are created in house by adaptation of old clothes and by making costumes.</p> <p>Department appeals to the whole school for props.</p> <p>Staging is created in CDT and designed by staff and pupils</p>				
		Participating in the Eco Schools Recycling program for Recycle Fife		Bottles and cans are recycled in the department				

Subject: English

Principal Teacher:

Date of Audit: March 2013

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Year Group	Topic	Activity
S1/2	Reading "Black Harvest" - text book "Goggle Eyes" - text book	Discussion following reading about the Irish Famine and sustainability among communities Debating about nuclear power and sustainable sources of power
S3	Discursive Writing	Pupils in CfE courses are given an opportunity to write about pollution as a writing topic
S4	Reading "Hoot" - A novel	Reading and discussing about the saving of endangered species (Owls)
S5/6	Reading Short story - "Wasteland"	Read and discuss issues about the environment
Whole School / Extra Curricular	Recycling box for bottles and cans Regular energy checks Poetry on Health and wellbeing themes	Participating in the Eco Schools Recycling program for Recycle Fife Regular energy checks carried out to switch off electrical equipment Supporting the launch of Scottish School meals week,

Subject: Geography	Principal Teacher: G Stenhouse	Date of Audit: March 2013
Year Group	Topic	Activity
S1	Sustainable living in the Outer Hebrides	<ul style="list-style-type: none"> • investigation – researching lifestyle and the impact on environment in the Western Isles; sustainable use of the Machair and Climate Change • Food miles and food production – promotion of 'buy local – eat local' • Farming systems provide food supplies and raw materials. • Field trip to Royal Highland Show
S1	Weather and Climate	<ul style="list-style-type: none"> • Our weather and how it affects the way we live, Britain's climate, tropical storms and how they affect us. • Investigating extreme weather as a possible result of climate change
S2	Earth the power of the Planet	<ul style="list-style-type: none"> • Structure of the earth, plate tectonics, earthquakes. • Volcano study – Mount Etna • Physical causes of global warming; volcanic eruptions and changes to atmospheric composition= enhanced greenhouse effect • Earthquake study – China 2008 • Investigating a natural hazard; Asian Tsunami. Impact on people, place and environment. • S2 visit to Dynamic Earth
S2	Environment Matters	<ul style="list-style-type: none"> • Discussion 'what is environment?' Global Footprint Questionnaire and use of the ecological footprint website • Also use of http://my2050.decc.gov.uk/ • • Recycling; promotion in school/ community • Community Litter Pick activities • Agencies which conserve the countryside in Britain • Conservation issues in the Great Barrier Reef • Conservation of wildlife – linked to pandas and ChinaClubHQ website • Impact of tourism in holiday case study – Majorca and consequences for environment • Case Study – Antarctica as a wilderness and protected area; implications of development for environment

S2	Amazing Places and Spaces	<ul style="list-style-type: none"> • Climatic zones around the world • Ecosystems/ biomes/ plant adaptation – hot desert, tropical rainforest and tundra. • Comparing life in Japan (developed world) with life in Kenya (developing world) • Issues of resources, economic growth, barriers to development, contrasting life-
S3	The Great British Weather	Exploring global warming and extreme weather resulting in flooding
S3	Rivers	<p>Understanding the relationship between man and rivers</p> <p>River pollution</p> <p>Land use/ river usage and river environments at each river stage</p> <p>Impact of industry in lower course</p>
S3	Maps and Mountains	<p>Impact of tourism in rural landscapes; litter noise, footpath erosion, skiing, large scale tourist developments.</p> <p>Renewable energy; wind farming, HEP</p>
S3	Countryfile	<p>Impact on environment with modern farming techniques; removal of hedgerows, increased use of chemicals to increase production</p> <p>Effects of farming as an 'agribusiness'</p> <p>Role of EU; quotas, set aside, woodland, wildlife schemes</p> <p>Switch to organic farming</p> <p>Diversification</p>
S3	Climate Change Investigation	<p>What is climate change</p> <p>Why is it happening</p> <p>How is effecting parts of the world</p> <p>What strategies can reduce it</p>

S3	Field work in the curriculum	<p>Aviemore fieldtrip to Cairngorm Mountains</p> <p>Funicular railway development: sustainability, environmental protection/ conservation</p> <p>Upgrading of ski tows/ extension of ski area</p> <p>Aviemore – the changing village; impact of tourism case study</p> <p>Enquiry skills – interviewing tourists, shopkeepers and business owners</p> <p>Environmental survey</p> <p>Role of SNH</p> <p>Visit of Aberfoyle</p> <p>Foreign field trips e.g. to Switzerland, Morocco, Iceland</p> <p>S5 field visit to the Yorkshire Dales visiting National park, footpath conservation and environmental themes</p> <p>S6 AH visit to Kindrogan FS</p>
S4	Places Far and near	<p>Growth of towns and urban sprawl</p> <p>Pressures on the Greenbelt</p> <p>Conflicts between planners and environmental agencies</p> <p>Traffic problem in India and Scotland</p>
S4	Population and Migration	<p>Pressure on resources from overpopulation</p> <p>Growth of shanty towns- impact on water and environment</p>
S4	Trade, Aid and Development	<p>Fairtrade</p> <p>Ethics of manufacturing in developing world.</p> <p>Energy consumption as an indicator of development</p> <p>Regions of the world are linked through trade.</p> <p>Schemes of self-help, along with national and international aid, seek to encourage social and economic development.</p>
S4	Environmental issues	<p>Destruction of tropical rainforest</p> <p>Soil erosion and desertification</p> <p>Oil pollution and North Sea Case Study</p> <p>Causes of global warming</p>

S5 Intermediate 2	Physical environments	This has a British Isles context and studies a selection of landscape types – glacial, upland limestone, coasts and rivers. Land uses in these areas are studied using the following structure: - <ul style="list-style-type: none"> • The impact of the activities • The conflicts which can arise • The management strategies and solutions • The role of public and voluntary bodies
S5 Intermediate 2	Environmental interactions	This has a stronger emphasis on global issues and evaluating of strategies adopted to manage these.
S5- S6 Higher	Physical environments Human environments	Atmosphere, hydrosphere, lithosphere, biosphere Population, rural, industrial and urban geography
S5 – S6 Higher	Environmental interactions	Rural Land Resources Impact of tourism in selected environmental case studies: Lake District, Yorkshire Dales, Dorset Development & Health Indicators of development in the developed world <ul style="list-style-type: none"> • Energy consumption per capita • Internet usage per household Car per household Calorie intake per capita
S6	Advanced Higher Festival of Politics	Global Issues Personal study/ research into an environmental conflict
Whole School Eco Action/Extra Curricular S2 Challenge Day	Duke of Edinburgh Award Staff volunteering to take action in the countryside ZooLab	Displaying sustainable action on expeditions e.g. on The Fife Coastal Path Working for The Fife Countryside Ranger Service Working in partnership with Biology to host workshops for S2 pupils

Subject: History			Principal Teacher: K McGill			Date of Audit: March 2013		
Year Group		Topic		Activity				
S1/2		S1 History Titanic		Learning about the technology and transport in the past				
		S2 The Slave Trade and The Medical Revolution		Pupils investigate the abolition of slavery and racism in a historical context				
				Learning about health and wellbeing in the				
S3/S4		Population Growth and Movement Changing Scotland		Reasons for and the consequence of population growth and movement				
		Coal mining in Scotland		Learning about the growth of coal mining and the impact on communities				
		Railways		Technological development and impact on lifestyles				
S5/6		The Welfare State		Learning about the role of the National Health Service and the impact on health and wellbeing				
Whole School / Extra Curricular		Lessons From Auschwitz		S6 pupils take part in the Lesson From Auschwitz and feed back to the whole school				

Subject: Home Economics	Principal Teacher: E Murie	Date of Audit: March 2013
Year Group	Topic	Activity
S2 Level 3 Broad General Education	Technology in the Kitchen Healthy Cooking	<ul style="list-style-type: none"> • Safe use of equipment – labour saving devices and fuel saving measures when using equipment • • Looking at packaging in product development – choosing alternatives which are more cost effective and Eco-friendly
S3 Level 4 Broad General Education	<ul style="list-style-type: none"> • Methods of cooking • Practical cooking • Food labelling And So To Sew	<ul style="list-style-type: none"> • Conservation of resources, energy saving, reduction of running costs • • Economy taught and practiced at all times • • Examples of packaging looked at. Environmentally friendly label awareness e.g. fizzy juice cans / bottles, carrier bags, seasonal packaging • • Recycling old denim products to make Key Fobs •
S4	Consumer advice	<ul style="list-style-type: none"> • Energy efficiency of appliances looked at. • • Recycling of products e.g. packaging. Care labelling/wash codes looked at to familiarise with energy efficient/eco friendly methods/products for laundering • • Economy of energy in cooker/appliance use , switching off all appliances, gas and electricity after use
S5/6	Resource Management Physical needs of Individuals and families	<ul style="list-style-type: none"> • Management of all natural resources through media and ICT provision • • Management of resources which could be harmful to the environment e.g. bleach/ washing powder/ liquid soap • • Organic produce/farming – comparative testing is done to evaluate against conventional produce • Recycling of clothing • Appropriate shelter • •
Whole School Eco Action	Department Actions	<ul style="list-style-type: none"> • Encouraging bringing in and use of reusable containers for transporting food to home • Scrap paper used for certain exercises • Plastic wallets and folders recycled year after year • Egg trays are used for recycling

Subject: Mathematics			Principal Teacher:			Date of Audit: March 2013		
			C Wood					
Year Group			Topic			Activity		
S1/2			Transport			Pupils take responsibility for surveys to create data to process into graphs e.g. survey the makes and types of cars in the school car park		
S3			Communications and technology			As above focussing on the use of mobile phones		
S1 -3			Health and Well being – Million Metre challenge			Pupils processed results relating to times and distances rowed by staff and pupils in the Million Metre challenge. Wall displays produced.		
Whole School / Extra Curricular								

Subject: Music			Principal Teacher:			Date of Audit: March 2013		
			E Ferguson/M Livingston					
Year Group			Topic			Activity		
Whole School Eco Action			Energy checks			All pupils in the department ensure keyboards are switched off after use		

Subject: Modern Studies	Principal Teacher: A Richardson	Date of Audit: March 2013
Year Group	Topic	Activity
S1/2	S1 Community Council Letter S2 Human Rights	Pupils evaluate the environment and traffic issues relating to an old school and write a letter to the head of Education for a new school. Pupils discuss /present information about Human Rights including case studies. Includes discussion on stereotypes developing "attitudes of open-mindedness and tolerance"
S3	S3 Changing Society	Pupils learn about changing roles in society including gender inequality, interdependence and diversity.
S4	S4 British Government	Role play and investigation into the role of pressure groups in bringing about change including environmental issues. Pupils learn about rights and responsibilities (including) the rights and responsibilities of citizens in a democratic society
S5/6	Politics of Aid Health, Wealth and Equality	Discuss and evaluate the role of Aid in in bringing about development including sustainable activities in Africa Pupils discuss the role of health and
Whole School / Extra Curricular	Visits to the Scottish Parliament Visit to the Houses of Parliament Duke of Edinburgh Award Participating in the Eco Schools Recycling program for Recycle Fife	S1 pupils visit the Scottish Parliament and learn first hand about the decision making process in Scotland. S Grade visit the Houses of Parliament and find out about the role of the MP and issues including environmental concerns, sustainable production and consumption Silver and Bronze level expeditions and outdoor activities including community service Bottles, cans and plastic cups are recycled within the department and staff room

Subject: Modern Languages		Principal Teacher: S Manson	Date of Audit: March 2013
Year Group	Topic	Activity	
All	Confucius Hub	Work with primaries to develop cultural awareness. Particular input at Chinese New Year.	
All	Cultural awareness	Awareness of cultural differences between countries. Developing tolerance and understanding of different cultures and historical pre-conceptions.	
S2	Mandarin Elective Film Study unit	Awareness of life in China. Greater understanding of life in France and Germany. Particular emphasis on understanding cultural impact of WW2. Study of home-town. Impact of environmental factors on standards of living.	
S3	Citizenship	Being environmentally responsible.	
S4	Nat 5 – Citizenship Culture	Being a global citizen, roles and responsibilities. Impressions, aspects of other countries.	
S5/6	Intermediate 2 Higher Lifestyles Theme 1 Aviemore study weekend Berlin trip	Benefits of life in town and country – awareness of pollution, noise pollution/traffic issues and impact on living standards. Field-discussion about local land-management issues. On-the-ground experience of alternative culture. Discussions about redevelopment of city following reunification,	
S6	Advanced Higher – Environment Topic Europe Topic	Study of environmental issues including global warming, pollution, rubbish disposal. Study of population movement issues relating to Europe – migration, immigration and impact on communities.	

Subject: Physics			Principal Teacher: T Lilico			Date of Audit: March 2013		
Year Group		Topic		Activity				
S2		Heat		Study of vacuum flask features designed to minimise heat transfer Study of information relating to heat loss from houses				
S3		Standard Grade – Health Physics Using Sound Types and effects of radiation		Noise pollution – knowledge of danger levels and effects Knowledge/awareness of biological effects				
		Intermediate 1 - Radiations		Use of radiation in medicine				
S4		Standard Grade – Energy Matters		Knowledge/awareness that fossil fuels are finite Renewable vs. Non-Renewable sources advantages and disadvantages Energy conservation in industry homes and transport				
		Intermediate 1 – Sound and Music		Noise pollution – effects if excessive noise levels				
		Intermediate 1 - Movement		Transport – benefits of streamlining/ fuel economy				
S5		Intermediate 2 – Mechanics and Heat		Energy and efficiency calculation				
		Intermediate 2 – Radioactivity		Topics include activities on ionising radiations, dosimetry, half-life				
		Higher – Radiation and Matter		Nuclear reaction and energy release Dosimetry and safety				
Whole School / Extra Curricular		Participating in the Eco Schools Recycling program for Recycle Fife		Department recycles bottles and cans				

Subject: Physical Education			Principal Teacher: M Erskine			Date of Audit: March 2013		
Year Group		Topic		Activity				
S1/2		Physical Education Health and well being themes permeate all of the courses throughout the year groups		Pupils have individual training programs for fitness They complete fitness circuits in the games hall and work on weekly targets				
S3		Standard Grade Multi-gym		Circuit training for S3- S4 pupils				
S4		Rowing		Pupils use rowing machines from S1-S4 and set ongoing targets				
Whole School / Extra Curricular		Hula Hoop 2012 Plasma Screens Chinese Wellbeing Events and promotion of Chinese recreational activities including jiansi		Department made significant contribution to the whole school day of action Presentations showing successes and activities in PE are displayed in the dining hall Whole school China link				

Subject: PSE		Date of Audit: March 2013
Year Group	Topic	Activity
S1	<p>The Carbon Footprint</p> <p>Safe School Travel</p> <p>Enterprise Litter and Recycling</p> <p>Community Police Visit</p>	<p>Poster competition to make a poster for display in the school that will encourage pupil and staff to reduce their Carbon Footprint</p> <p>Pupils watch video and note take about "Nine Lives of Roddy Hogg"</p> <p>Visits from staff for Waste Aware and Fife Environmental Health Service to encourage action for the environment</p> <p>Promoting positive decision making in the community</p>
S2	Showing Racism the Red Card	Building positive relationships and tolerance of others
S3	<p>Aware Programme</p> <p>Global Citizenship</p> <p>Eco Habits at Home</p>	<p>Pupils on work placements in the community for a week in May of S3</p> <p>Finding out about other countries on a World Map</p> <p>Pupils complete a questionnaire about their sustaina-</p>
S4	Health Promotion	<p>Understanding the importance of staying healthy, food, looking after yourself, mental health</p> <p>Learning about sexual relationships/sexism and homophobia.</p> <p>Visits from NHS and discussion about drugs</p> <p>Competing audit and survey for Edinburgh University</p>
Whole School/Extra Curricular		

Subject: Pupils Support			Principal Teacher:			Date of Audit: March 2013		
			M Dorran					
Year Group		Topic		Activity				
Whole School Eco Action		Lunch club for s1-3 pupils Participating in the Eco		Pupils grow plants e.g. geranium and garden plants in small portable green houses for sale to staff Various craft activities are carried out using waste and recycled materials Making bird feeders in ASDAN Course				

Subject: Religious Education			Principal Teacher:			Date of Audit: March 2013		
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Year Group		Topic		Activity				
S1/2		Creation Stories		Project work including e.g. Aborigines and respect for the land Work on notion of Christian stewardship Feng-shui / Chinese views on environment Looking at love in the story of the Good Samaritan				
S3		Animal Rights Racism World Religions		Discussion/video relating to slaughter and eating of animals Racism in sport / Martin Luther King & Malcolm X				
S4		Genetics Moral Issues Capital Punishment		Eugenics / acceptance of disability Abortion & Euthanasia - right to live or die etc. Rights of victims / issues of justice / respect for human				
S5/6		Gender Science & Religion		Promoting equal rights Eradicating stereotypes -Complementary nature of Science and Religion -Breaking down the barriers / Holistic Approaches -Interdisciplinary approach to learning				
Whole School / Extra Curricular		Year group Assemblies		Festivals - promoting an awareness of other faiths/ ways of life				