

Usworth Colliery Primary School

Progression of Skills and Knowledge: Sustainability Curriculum

This incorporates themes from: Eco Schools and the Sustainable Development Goals

Children should be challenged to think about what they learn and to find the links connecting current learning with what they have been taught. From this they should apply the knowledge to begin to form personal actions they can take in their own lives, both within school and the wider community.



Sustainability Plan - Reception			
Topic	Theme	Knowledge	Vocabulary
Biodiversity	Caring for all plants,	Understanding the world – What	Butterfly
Diodiversity	animals and insects	harm can litter do to animals?	Caterpillar
	animais and insects	marin can litter do to animais:	Cocoon
			Pupa
			Metamorphosis
			Ducks/ ducklings
			Egg
			Hatch
			Incubator
			Growing
			Herb names
			Seeds
			water
Energy	Reducing energy use and		
	investigating greener		
	energy sources.		
Global			
citizenship			
Healthy Living	Improving mental and	WOW Living Tracker – Walk to School	Feeling names
	physical well-being.	Healthy recipe in the newsletter each	PE vocabulary
		month	(See complete
			PE)
Litter	Reducing the amount of		Litter
	litter in your local area.		Reuse
			Recycling
			Reduce
Marine	Protecting all rivers,	Trip to St Mary's Lighthouse	Rock pools
	canals, lakes and oceans	Read- Somebody save Stanley	Litter
School Grounds			

Transport	Finding more environmentally friendly ways to travel.	WOW Living Tracker – Walk to School	WOW Tracker words for transport
Waste	Refuse, Reduce, Reuse, Repair, Recycle	Junk modelling using recycling	Litter Reuse Recycling Reduce
Water			
Climate Action	Weather and how it is changing	What is the weather like today?	Seasons Daily weather
	Sustain	ability Plan – Year 1	
Topic	Theme	Knowledge	Vocabulary
Biodiversity	Caring for all plants, animals and insects	Science – Seasonal Change Science – Plants Animals – identify and name a variety of common animals that are birds, fish, amphibians, reptiles and mammals. Describe and compare the structure of these animals. Discuss where these animals live and what they eat. Geography Recognise human activity can damage wildlife Countryside code – Social Responsibility Unit	Season Autumn Winter Spring Summer Weather Temperature Mammals Amphibians Reptiles Fish Plants Deciduous Evergreen Stem Roots Petal rural Litter
Energy	Reducing energy use and investigating greener energy sources.	Science – seasonal change – hours of daylight longer in some months – do we need to have the lights on?	Pollution Energy
Global citizenship	working with others on local and global issues	PSHCE –Rights and Responsibilities RE - Belonging – in relation to our family, church and community. Becoming more familiar with the work of UNICEF and the Rights of the Child. To understand that we all need to work together to make the world a fairer place for everyone.	Community Faith Belief
Healthy Living	Improving mental and	WOW Living Tracker – Walk to School	Exercise

Healthy recipe in the newsletter each

month

Travel

physical well-being.

		Science – Growing own vegetables.	Transport
Litter	Reducing the amount of	Geography – How does litter harm	Litter
	litter in your local area.	animals and nature.	
			Pollution
Marine	Protecting all rivers,		
	canals, lakes and oceans		
School Grounds	Enhancing where you	Geography	Field
	work and play	Local area, identifying human and	Church
		physical features expressing likes and	
		dislikes.	
Transport	Finding more	WOW Living Tracker – Walk to School	Transport
	environmentally friendly	History - Identifying different forms	Travel
	ways to travel.	of transport and recognising how	Locomotive
		transport has changed over time.	Locomotive
		DT – Fruit Salad. Exploring where	
		different fruits come from.	
Waste	Refuse, Reduce, Reuse,	Recycling in school	Recycle
	Repair, Recycle	DT – Rolling Toy. Reusing cardboard	Reuse
		tubes. Can sellotape be recycled?	Waste
			waste
Water	Protecting an important		
	natural resource.		
Climate Action	Weather and how it is	Geography - What is the weather like	Thunder
	changing	today?	Lightening Hail
		Weather symbols	Sleet
		DT Fruit Salad Exploring where	Fog
		DT – Fruit Salad. Exploring where different fruits come from.	Mist
		different fraits come from:	Temperature
			Travel
	I	ability Plan – Year 2	
Topic	Theme	Knowledge	Vocabulary
Biodiversity	Caring for all plants, animals and insects	Science Animals including humans Plants-	Habitat Compost
	diminals and miscols	growing sunflowers Taking ownership	offspring
		of the garden in school Animals and	lifecycle
		their habitat	
Energy	Reducing energy use and		Carbon footprint
	investigating greener		
	energy sources.		

Global	working with others on	PSHCE –Rights and Responsibilities	Eco friendly
citizenship	local and global issues	Geography – SR- Valuing education	Global warming
Healthy Living	Improving mental and physical well-being.	WOW Living Tracker – Walk to School Healthy recipe in the newsletter each month	Balance diet
Litter	Reducing the amount of litter in your local area.	Geography	Pollution Recycling
Marine	Protecting all rivers,	Geography	Litter
	canals, lakes and oceans	How polluted is my local beach	Habitats
			Pollution
			Melting ice caps
School Grounds	Enhancing where you		Litter
	work and play		recycling
			habitats
Transport	Finding more	WOW Living Tracker – Walk to School	Pollution
	environmentally friendly		Clean air
Waste	ways to travel. Refuse, Reduce, Reuse,	Geography – How polluted is my local	Pollution
waste	Repair, Recycle	beach?	plastic
	nepan) necycle	DT – Raisin Box Racers. Comparing	piastic
		materials (including paper vs. plastic)	
Water	Protecting an important		Pollution
	natural resource.		plastic
Climate Action	Weather and how it is	Geography – hot and cold places	Global warming
	changing		Pollution
			Ozone layer Melting icecaps
			Wiching icccups
	Sustain	ability Plan – Year 3	
Topic	Theme	Knowledge	Vocabulary
Biodiversity	Caring for all plants,	Geography –	Plastic pollution
	animals and insects	How can I protect the biodiversity of	Sustainability
		our school?	Plants
		Science – Plant Unit (Summer term)	Roots
			Living things
Energy	Reducing energy use and	Geography –	Reduce
	investigating greener	Lake District car free village	Renewable
	energy sources.		energy Wind turbines
			Solar panels
Global	working with others on	PSHCE –Rights and Responsibilities	Care
citizenship	local and global issues	5 122 21121 1125 pointinuies	Citizenship
			Responsibility
			British Values
Healthy Living	Improving mental and	WOW Living Tracker – Walk to School	Healthy
	physical well-being.	Healthy recipe in the newsletter each	Balanced diet
		month	Health
			Mental health
			Physical health

Litter Reducing the amount of litter in your local area affected by pollution? Conservation Conservatio	Litter			
Marine		Reducing the amount of	Geography -How is our local area	Litter
Marine		litter in your local area.	affected by pollution?	Pollute
Protecting all rivers, canals, lakes and oceans Geography - Compare different flood Protecting all rivers, canals, lakes and oceans Protecting all rivers, canals, lakes and oceans Protecting an important natural resource. Protecting an important natural resource. Protecting an important changing Protecting an insects Protects animals and insects Protects animals and insects Protects animals and insects Protecting an investigating greener energy sources. Protecting an important investigating greener energy sources. Protecting an important natural resource. Protects animals and insects Protects animals and investigating greener energy sources. Protects animals and investigating greener energy sources. Protects animals and investigating greener energy sources. Protecting animals and investigating greener energy sources Protecting animals and investigating greener energy sources Protecting animals energy en		,	, ,	Recycle
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School Grounds Enhancing where you work and play School Grounds Enhancing where you work and play Geography Playground Equipment Environment Environment Env	IVIGITIE			•
School Grounds Enhancing where you work and play Geography Playground Equipment Equipment Equipment Environment Handle Ground Ways to travel. WOW Living Tracker — Walk to School Lake District - Car free village Travel		cariais, lakes and occaris	•	
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Travel		environmentally friendly	Lake District - Car free village	Car
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In this unit children will reflect on how city centres, in particular Newcastle Upon Tyne, are becoming more sustainable and reducing the impact of pollution on improving.	Biodiversity	Theme Caring for all plants, animals and insects Reducing energy use and investigating greener	Knowledge Science – Living things and their habitats. Geography Fieldwork - Social Responsibility -	Environment, Habitat, Ecosystem, plants, climate change, extinction, pollution, Conservation, population, deforestation, pollution, litter Tourism, pollution,
Tyne, are becoming more sustainable and reducing the impact of pollution on improving.	Biodiversity	Theme Caring for all plants, animals and insects Reducing energy use and investigating greener	Science – Living things and their habitats. Geography Fieldwork - Social Responsibility - Should we ban cars from our city centre?	Environment, Habitat, Ecosystem, plants, climate change, extinction, pollution, Conservation, population, deforestation, pollution, litter Tourism, pollution, reusable energy,
and reducing the impact of pollution on improving.	Biodiversity	Theme Caring for all plants, animals and insects Reducing energy use and investigating greener	Knowledge Science – Living things and their habitats. Geography Fieldwork - Social Responsibility - Should we ban cars from our city centre? In this unit children will reflect on how	Environment, Habitat, Ecosystem, plants, climate change, extinction, pollution, Conservation, population, deforestation, pollution, litter Tourism, pollution, reusable energy, electric cars,
and reducing the impact of policition on	Biodiversity	Theme Caring for all plants, animals and insects Reducing energy use and investigating greener	Science – Living things and their habitats. Geography Fieldwork - Social Responsibility - Should we ban cars from our city centre? In this unit children will reflect on how city centres, in particular Newcastle Upon	Environment, Habitat, Ecosystem, plants, climate change, extinction, pollution, Conservation, population, deforestation, pollution, litter Tourism, pollution, reusable energy, electric cars, reduce, greener,
tne environment.	Biodiversity	Theme Caring for all plants, animals and insects Reducing energy use and investigating greener	Geography Fieldwork - Social Responsibility - Should we ban cars from our city centre? In this unit children will reflect on how city centres, in particular Newcastle Upon Tyne, are becoming more sustainable	Environment, Habitat, Ecosystem, plants, climate change, extinction, pollution, Conservation, population, deforestation, pollution, litter Tourism, pollution, reusable energy, electric cars, reduce, greener, energy sources,
	Biodiversity	Theme Caring for all plants, animals and insects Reducing energy use and investigating greener	Geography Fieldwork - Social Responsibility - Should we ban cars from our city centre? In this unit children will reflect on how city centres, in particular Newcastle Upon Tyne, are becoming more sustainable and reducing the impact of pollution on	Environment, Habitat, Ecosystem, plants, climate change, extinction, pollution, Conservation, population, deforestation, pollution, litter Tourism, pollution, reusable energy, electric cars, reduce, greener, energy sources,

Global citizenship	working with others on local and global issues	PSHCE –Rights and Responsibilities	Rights, Responsibilities, Limited resource, generations,
			future, communities, respectful, responsibility, environment
Healthy Living	Improving mental and physical well-being.	WOW Living Tracker – Walk to School Healthy recipe in the newsletter each month DT – Fake Away Pizza – Reducing calories & food waste.	Food waste
Litter	Reducing the amount of litter in your local area.		
Marine	Protecting all rivers, canals, lakes and oceans	DT – Kites – upcycling plastic bags.	Upcycle
School Grounds	Enhancing where you work and play		
Transport	Finding more environmentally friendly ways to travel.	WOW Living Tracker – Walk to School Geography Clean air: What can be done to reduce different types of pollution Geography - To describe how tourism is detrimentally affecting the environment. Geography – Tourism in the Himalayas	Pollution, reduce, greener, eco-friendly, alternative, walking, carshare, electric vehicles, air miles, bike.
Waste	Refuse, Reduce, Reuse, Repair, Recycle	DT – Paddle Boats – What can be recycled & what goes in general waste? DT – Kites – upcycling plastic bags.	Upcycle
Water	Protecting an important natural resource.		
Climate Action	Weather and how it is changing		
	Sustain	ability Plan – Year 5	
Topic	Theme	Knowledge	Vocabulary
Biodiversity	Caring for all plants, animals and insects		
Energy	Reducing energy use and investigating greener energy sources.	Geography – know better do better Sustainable homes in the future to reduce waste? Geography – Our changing world Alternatives to fossil fuels	Renewable Fossil fuels Pollution Non-renewable Global warming Climate change
Global citizenship	working with others on local and global issues	Geography Geography – Sustainable tourism PSHCE –Rights and Responsibilities	Rights Responsibilities Sustainable tourism

Healthy Living	Improving mental and	WOW Living Tracker – Walk to School	
, ,	physical well-being.	Healthy recipe in the newsletter each	
		month	
Litter	Reducing the amount of	English – The Last Bear	Litter
	litter in your local area.		Pollution
			Waste
			Extinct
			Wildlife
			Animals trapped
Marine	Protecting all rivers,	English – The Last Bear	Ice caps
	canals, lakes and oceans		Polar
			Arctic
			Pollution
			Climate change
			Sea level rise
School Grounds	Enhancing where you		
	work and play		
Transport	Finding more	WOW Living Tracker – Walk to School	
	environmentally friendly		
Waste	ways to travel. Refuse, Reduce, Reuse,	Geography – know better do better	Reduce
vvaste	Repair, Recycle	Sustainable homes in the future to	Reuse
	Repair, Recycle	reduce waste?	Recycle
		DT – Buzz Wire Game – Which	Repair
		materials are recyclable?	recyclable
		materials are recyclable:	recyclabic
Water	Protecting an important		
	natural resource.		
Climate Action	Weather and how it is	Geography -Suggest ways to help	Green careers
	changing	save the environment and possibly	Environment
		reverse climate change – turn lights	Climate Change
		off, electric cars, renewable energy	Greenhouse
		etc.	gases
		To find out about 'green' careers.	CFCs
Tauti		ability Plan – Year 6	Macaballa
Topic	Theme	Knowledge	Vocabulary
Biodiversity	Caring for all plants, animals and insects	Geography- Amazon rain forest,	Flowering Non-flowering
	מווווומוז מווע וווזפננג	mapping, human and physical geographical features and	Coniferous
		environmental issues.	Deciduous
		Science – wildflowers classification –	Mosses
		do we have enough wildflowers on	Ferns
		our school grounds?	Pollution
Energy	Reducing energy use and	Geography	Renewable
Lineigy	investigating greener	Discuss which natural resources are	Non-renewable
	energy sources.	the most valuable.	Hydro
	chergy sources.	the most valuable.	Waves
			Solar
			Nuclear
			Fossil Fuels
			1 03311 1 4113

			Croonbauca
			Greenhouse Effect
			Global Warming
			CO2 N
Global	working with others on	Geography	Community
citizenship	local and global issues	PSHCE –Rights and Responsibilities	Support
G.G.20110111.p	local and global issues	Torrez Tilginis and Nesponsionicies	Rights
			Individual Liberty
			Fair Trade
			Food Miles
Healthy Living	Improving mental and	WOW Living Tracker – Walk to School	
	physical well-being.	Healthy recipe in the newsletter each	
		month	
Litter	Reducing the amount of		
	litter in your local area.		
Marine	Protecting all rivers,		
	canals, lakes and oceans		
School Grounds	Enhancing where you		
– outdoor	work and play		
learning	Finding more	MOM Living Tracker Malk to School	
Transport	Finding more environmentally friendly	WOW Living Tracker – Walk to School	
	ways to travel.		
Waste	Refuse, Reduce, Reuse,	DT – Mechanised Butterflies –	Mass Production
Truste.	Repair, Recycle	repurposed materials compared to	Widss Fredaction
	,,	mass produced plastic components.	
		·	
Water	Protecting an important	A Long Walk to Water	Hygiene
	natural resource.		Unhygienic
			Aid
			Cholera
			Charity
Climate Action	Weather and how it is	Geography	Renewable
	changing	Suggest ways to help save the	Non-renewable
		environment and reduce the	Hydro
		greenhouse effect– renewable	Waves Solar
		energy sources, carbon neutral products, energy efficiency.	Solar Nuclear
		products, energy emiciency.	Fossil Fuels
		DT – Mechanised Butterflies –	Greenhouse
		repurposed materials compared to	Effect
		mass produced plastic components.	Global Warming
		mana produced plastic components.	CO2 N
			Mass Production

Across school we have our Eco Ambassadors who meet each month.

We also have a collection point for used batteries.

For the children on school meals, we have a meat free option every day.

This year, each classroom will receive an indoor plant to help purify the air.