



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, animals and insects	Understanding the world – What harm can litter do to animals?	Butterfly Caterpillar 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 physical well-being.	WOW Living Tracker – Walk to School Healthy recipe in the newsletter each month	Feeling names PE vocabulary (See complete PE)
Litter	Reducing the amount of litter in your local area.		Litter Reuse Recycling Reduce
Marine	Protecting all rivers, canals, lakes and oceans	Trip to St Mary’s Lighthouse Read- Somebody save Stanley	Rock pools 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

Sustainability Plan – Year 1

Topic	Theme	Knowledge	Vocabulary
Biodiversity	Caring for all plants, animals and insects	<p>Science – Seasonal Change</p> <p>Science – Plants</p> <p>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.</p> <p>Geography Recognise human activity can damage wildlife</p> <p>Countryside code – Social Responsibility Unit</p>	<p>Season</p> <p>Autumn</p> <p>Winter</p> <p>Spring</p> <p>Summer</p> <p>Weather</p> <p>Temperature</p> <p>Mammals</p> <p>Amphibians</p> <p>Reptiles</p> <p>Fish</p> <p>Plants</p> <p>Deciduous</p> <p>Evergreen</p> <p>Stem</p> <p>Roots</p> <p>Petal</p> <p>rural</p> <p>Litter</p> <p>Pollution</p>
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?	Energy
Global citizenship	working with others on local and global issues	<p>PSHCE –Rights and Responsibilities</p> <p>RE - Belonging – in relation to our family, church and community.</p> <p>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.</p>	<p>Community</p> <p>Faith</p> <p>Belief</p>
Healthy Living	Improving mental and physical well-being.	<p>WOW Living Tracker – Walk to School</p> <p>Healthy recipe in the newsletter each month</p>	<p>Exercise</p> <p>Travel</p>

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

Global citizenship	working with others on local and global issues	PSHCE –Rights and Responsibilities Geography – SR- Valuing education	Eco friendly 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, canals, lakes and oceans	Geography How polluted is my local beach	Litter Habitats Pollution Melting ice caps
School Grounds	Enhancing where you work and play		Litter recycling habitats
Transport	Finding more environmentally friendly ways to travel.	WOW Living Tracker – Walk to School	Pollution Clean air
Waste	Refuse, Reduce, Reuse, Repair, Recycle	Geography – How polluted is my local beach? DT – Raisin Box Racers. Comparing materials (including paper vs. plastic)	Pollution plastic
Water	Protecting an important natural resource.		Pollution plastic
Climate Action	Weather and how it is changing	Geography – hot and cold places	Global warming Pollution Ozone layer Melting icecaps

Sustainability Plan – Year 3

Topic	Theme	Knowledge	Vocabulary
Biodiversity	Caring for all plants, animals and insects	Geography – How can I protect the biodiversity of our school? Science – Plant Unit (Summer term)	Plastic pollution Sustainability Plants Roots Living things
Energy	Reducing energy use and investigating greener energy sources.	Geography – Lake District car free village	Reduce Renewable energy Wind turbines Solar panels
Global citizenship	working with others on local and global issues	PSHCE –Rights and Responsibilities	Care Citizenship Responsibility British Values
Healthy Living	Improving mental and physical well-being.	WOW Living Tracker – Walk to School Healthy recipe in the newsletter each month	Healthy Balanced diet Health Mental health Physical health

Litter	Reducing the amount of litter in your local area.	Geography -How is our local area affected by pollution?	Litter Pollute Recycle Environment
Marine	Protecting all rivers, canals, lakes and oceans	Geography - Compare different flood prevention methods. Realise that the water cycle is essential to our lives	Water cycle River Landscape Rainfall Valley
School Grounds	Enhancing where you work and play	Geography	Playground Equipment Environment
Transport	Finding more environmentally friendly ways to travel.	WOW Living Tracker – Walk to School Lake District - Car free village	Lake District Car Village Travel
Waste	Refuse, Reduce, Reuse, Repair, Recycle	Geography – Visit to the local landfill centre DT – Junk models of a crane using a pulley.	Recycle Reuse Waste Upcycle Reduce
Water	Protecting an important natural resource.	Geography – Consider ways we can encourage people to save water	Water cycle River Landscape Rainfall Valley
Climate Action	Weather and how it is changing	Geography – How does the weather affect the Lake District	Climate Weather Forecast

Sustainability Plan – Year 4

Topic	Theme	Knowledge	Vocabulary
Biodiversity	Caring for all plants, animals and insects	Science – Living things and their habitats.	Environment, Habitat, Ecosystem, plants, climate change, extinction, pollution, Conservation, population, deforestation, pollution, litter
Energy	Reducing energy use and investigating greener energy sources.	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 the environment.	Tourism, pollution, reusable energy, electric cars, reduce, greener, energy sources, improving.

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, car-share, 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		

Sustainability 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 physical well-being.	WOW Living Tracker – Walk to School Healthy recipe in the newsletter each month	
Litter	Reducing the amount of litter in your local area.	English – The Last Bear	Litter Pollution Waste Extinct Wildlife Animals trapped
Marine	Protecting all rivers, canals, lakes and oceans	English – The Last Bear	Ice caps Polar Arctic Pollution Climate change Sea level rise
School Grounds	Enhancing where you work and play		
Transport	Finding more environmentally friendly ways to travel.	WOW Living Tracker – Walk to School	
Waste	Refuse, Reduce, Reuse, Repair, Recycle	Geography – know better do better Sustainable homes in the future to reduce waste? DT – Buzz Wire Game – Which materials are recyclable?	Reduce Reuse Recycle Repair recyclable
Water	Protecting an important natural resource.		
Climate Action	Weather and how it is changing	Geography -Suggest ways to help save the environment and possibly reverse climate change – turn lights off, electric cars, renewable energy etc. To find out about ‘green’ careers.	Green careers Environment Climate Change Greenhouse gases CFCs

Sustainability Plan – Year 6

Topic	Theme	Knowledge	Vocabulary
Biodiversity	Caring for all plants, animals and insects	Geography- Amazon rain forest, mapping, human and physical geographical features and environmental issues. Science – wildflowers classification – do we have enough wildflowers on our school grounds?	Flowering Non-flowering Coniferous Deciduous Mosses Ferns Pollution
Energy	Reducing energy use and investigating greener energy sources.	Geography Discuss which natural resources are the most valuable.	Renewable Non-renewable Hydro Waves Solar Nuclear Fossil Fuels

			Greenhouse Effect Global Warming CO2 N
Global citizenship	working with others on local and global issues	Geography PSHCE –Rights and Responsibilities	Community Support Rights Individual Liberty Fair Trade Food Miles
Healthy Living	Improving mental and physical well-being.	WOW Living Tracker – Walk to School 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 – outdoor learning	Enhancing where you work and play		
Transport	Finding more environmentally friendly ways to travel.	WOW Living Tracker – Walk to School	
Waste	Refuse, Reduce, Reuse, Repair, Recycle	DT – Mechanised Butterflies – repurposed materials compared to mass produced plastic components.	Mass Production
Water	Protecting an important natural resource.	A Long Walk to Water	Hygiene Unhygienic Aid Cholera Charity
Climate Action	Weather and how it is changing	Geography Suggest ways to help save the environment and reduce the greenhouse effect– renewable energy sources, carbon neutral products, energy efficiency. DT – Mechanised Butterflies – repurposed materials compared to mass produced plastic components.	Renewable Non-renewable Hydro Waves Solar Nuclear Fossil Fuels Greenhouse Effect Global Warming 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.