



# NURTURING NATURE

Sustainable  
Development



Click below to find out how  
each year group will deliver  
'Nurturing Nature'

FS1 & FS2



KS1



KS2

Y3&4

Y5&6

## 'Nurturing Nature' in the Foundation Stage

"No one is too small to make a difference—this is the main message we hope to impart to the future generation for the future of this planet, and we will start from the youngest of our children.

Using our key texts and carrying out practical investigations, we will learn about growing and survival. Helping with real tasks is a natural progression from pretend play, and is a crucial stage in a child's development. We will pose the questions that will invoke self-reflection, investigation and discussion:

**"What do the plants and animals need to survive? "**

**"What will happen to the animals and the plants if the things they need aren't there? "**

**"How do their environments differ? What has happened to some of their environments? Why has this happened?"**

**"How can YOU make a difference?"**

We will see just how much we depend on plants to feed and clothe us and how we need to look after the world in return. Achieving a shared goal encourages a sense of responsibility, and develops many skills useful in later life. In the worlds of our Global Hero this half term, David Attenborough,

**"The future of humanity and indeed all life on Earth, depends on us."**

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**FS1 & FS2**

Click for Knowledge  
Organiser



## ATTENBOROUGH CURRICULUM FOR GLOBAL CITIZENSHIP: KNOWLEDGE AND UNDERSTANDING

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## Learning Opportunities

- 1 Entry point– Look at and investigate a variety of plants and pictures of plants. Give the children opportunity to look at them closely through magnifying glasses, touch, smell.
- 2 Knowledge Harvest—  
What is a plant? How do we know something is a plant? What do plants come from? What do plants need to be able to grow and to keep growing? How long does it take for a plant to grow? What plants do you know?
- 3 Have a selection of beans, seeds and bulbs for the children to explore. Look at pictures of what those particular seeds/ bulbs and beans will grow into.
- 4 Read Jaspers Beanstalk. What did Jasper plant? What did the plant need to grow? Why did Jasper think that his beanstalk was not going to grow? How long did the beanstalk take to grow?
- 5 Planting from beans, seeds and bulbs in the garden area. Discussing what they need to help them to grow. Children to take care of them by watering them regularly. Look at change as they begin to grow.
- 6 Have a look at some established plants/ flowers Look closely at the leaves, petals, stem. Take a plant out of its pot and look at the roots. Talk about the job that each part of the plant/ flower does.
- 7 Exit point— Revisit the answers from the knowledge harvest . Ask the same questions and note any additional responses.

## Out and About

- 1 Walks around the school environment to observe plants growing.  
Visit the pond area.

## Related books

- 1 Jaspers Beanstalk
- 2 Jack and the Beanstalk
- 3 Plant the Tiny Seed—Christie Matheson
- 4 Titch —Pat Hutchins
- 5 You'll soon grow into them  
Titch—Pat Hutchins
- 6 The Tiny seed—Eric Carle
- 7 Olivers Vegetables—Vivian French

## Ideas for Home

- 1 Nature walks—when you are out and about on a walk stop to really take in your surroundings. What can you see, hear, smell, touch.
- 2 Encourage children to help with growing things at home in pots indoors or outside in the garden. Talk about the process of planting and of looking after them.

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**FS1**

## Vocabulary

- 1 Nature
- 2 Growing/ growth
- 3 Plant/ flower and names
- 4 Vegetables and names
- 5 Change
- 6 Seed/ bulb/ bean
- 7 Spade, trowel, compost, gardening gloves
- 8 Fruits and their names

## Festivals, traditions and celebrations

- 1 St Georges day





## Learning Opportunities

- 1 **Knowledge harvest** Create a mind map: What do you know about living things and what they need? How can we take care of the environment? Introduce vocabulary **nurture**.
- 2 Explore the natural world around—drawing pictures of **nature**. Describe what they see, hear and feel whilst outside. Discuss season of summer and compare with other seasons—what's new/different? Note and record the weather.
- 3 **Global Hero** Introduce David Attenborough—conservationist. Introduce 'Greta and the Giants' text, highlighting new vocabulary **environment conservation** and **climate change**. Create a poster—what are the causes? What can we do?
- 4 'The Very Hungry Caterpillar' story. Observe the caterpillars' growth and changes all the way through to butterfly. Introduce **life cycle** vocabulary. Learn the life cycle of a butterfly. Additional butterfly and caterpillar creative activities involving symmetry, pattern, shape.
- 5 Read and access a variety of information resources to learn about different minibeasts/insects. Create a fact file of different minibeasts. Why is each one important in nature? Read 'Bee & Me'.
- 6 'Commotion in the Ocean' story and music. Read poems about animals, use musical instruments to match to the sea animals and create a piece of music. Wellbeing yoga poses.
- 7 Read 'Somebody Swallowed Stanley' introducing and highlighting **pollution** in the ocean. Learn song 'Keep our ocean clean'. How do fish breathe? Science experiment.
- 8 Recycling story books : 'George Saves the World by Lunchtime', 'The Adventures of a Plastic bottle', 'I can Save the Earth!' Introduce new vocabulary **sustainability**. Recycling activities and crafts. Recycle at home and in school. How have you saved the world?

## Out and About/Home opportunities

- 1 Nature walk
- 2 Minibeast hunt
- 3 Visit school pond
- 4 Litter/ recycling walk eg. What opportunities are there locally to get rid of rubbish/ recycle?

## Related texts, stories and songs

- 1 'Greta and the Giants' by Zoe Tucker/Zoe Persico
- 2 'Somebody Swallowed Stanley' by Sarah Roberts
- 3 'Bee-&-Me' by Alison Jay
- 4 'George Saves the World by Lunchtime' by Jo Readman/Ley Honor Roberts
- 5 'The Adventures of a Plastic Bottle' by Alison Inches
- 6 'I can save the Earth!' by Alison Inches
- 7 'The Very Hungry Caterpillar' by Eric Carle and 'Tiny Caterpillar' song
- 8 'Seasons' Song
- 9 David Attenborough—Little People, Big Dreams
- 10 'Commotion in the Ocean' by Giles Andreae
- 11 Minibeasts Adventures with Jess online series
- 12 'The Very Busy Spider' by Eric Carle

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**FS2**

## Vocabulary

- 1 Nature/nurture
- 2 environment
- 3 recycling
- 4 life cycle
- 5 sustainability
- 6 climate change
- 7 seasons
- 8 pollution
- 9 minibeasts/insects
- 10 conservation



## 'Nurturing Nature' in KS1

Canadian Musician, Joni Mitchell, wrote the song 'Big Yellow Taxi' 50 years ago. Lyrics such as 'They paved paradise, and put up a parking lot' and 'Don't it always seem to go, that you don't know what you've got 'til it's gone' were written when Mitchell experienced first hand the commercialisation of the Miami seafront. 50 years later and the world hasn't changed. Industrialisation, climate change, global warming, fossil fuels, deforestation are all terms that our current generation of learners are hearing regularly in mainstream media.

We live in a fast paced, instant world. Convenience is everywhere, from fast food to fast fashion, films on demand to shopping at the click of a button. What impact are these 21st century lifestyle choices having on our planet? Do we need change?

Our planet's ecosystem, biodiversity and are a fragile, finite resource that we cannot afford to take for granted. Educating tomorrow's generation of adults about the planet, how to care and nurture for it, even in the smallest of ways through changes and choices in our daily life will have a huge impact in the fight to change the climate crisis' current trajectory.

In this topic, 'Nurturing Nature' the children in KS1 will learn about the impact that human actions are having on the planet. They will learn about deforestation and how this has caused the loss of animal habitats and ecosystems. They will learn about waste, who produces waste, where it goes and what the impact of our waste can have on the planet. They will also take part in experiments to understand the impact that landfill can have on an area and the importance of reusing and recycling materials.



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## Learning Opportunities

- 1 **Entry Point: Why is the Planet in Danger?**  
We will explore the topic title and what 'nurturing means'. The children will be given the chance to share their current views on what they think could be harming the planet.
- 2 **How do human actions impact upon our planet?**  
The children will learn about the various climate issues that are affecting our planet, from rising sea levels caused by pollution and global warming to deforestation and the habitats this practice is destroying.
- 3 **What happens to our waste once we've thrown it away and how do we prevent it going to landfill sites?**  
We will learn about waste, where it goes once we have thrown it into our bins and the impact that landfill sites can have on an environment.
- 4 **How does recycling help to protect the planet?**  
We will learn about recycling through the process of recycling paper. We will think about sustainability and how recycling helps to cut down on the use of new materials that are gathered from the planet.
- 5 **What is a carbon footprint and how can we reduce this?**  
Understanding the impact our actions have is essential. We will learn that our 'actions' are often irreversible and the effect that actions such as burning fossil fuels can have on the planet.

## Global Heroes

- 1 **Dame Jane Goodall**  
*Goodall is an outspoken environmental activist. She is famous for her work on campaigning on the effects climate change is having on animal habitats, with her focus being on chimpanzees and primates. She is a fundamental voice in the campaign against cruelty to animals and her work over the years has been focused on the abolishment of animal mis-treatment.*
- 2 **Steve Irwin and Bindi Irwin**  
*Inspired by David Attenborough, Steve Irwin made a significant contribution toward conservation and environmentalism through his charity work. After his death, his Daughter, Bindi continued to support her father's charity work and has made several television shows aimed at younger children.*



## Geography

- 1 Using maps and plans at a range of scales, the children will be identifying the locations of sites across the globe where animals are endangered.
- 2 The children will be learning about the climate and geography of other parts of the world. They will focus on deforestation, the reasons behind this and the impact it is having on our planet.

## Science

- 1 The children will be growing plants to plant in our KS1 garden area. They will be learning about the various stages of plant growth and development and the processes plants undertake in order to stay alive.
- 2 The children will be identifying what animals live in the habitats that surround our school. They will design a garden habitat that attracts wildlife and will help to contribute to the care of the garden once the plants and environments have been established.

## Related books

- 1 **Y1 - 10 things I can do to help my world** by Melanie Walsh
- 2 **Y1 - My Green Day** by Melanie Walsh
- 3 **Y2 - Just a Dream** by Chris Van Allsburg
- 4 **Y2 - Saving Species** by Jess French
- 5 **There's a Rang Tan in my Bedroom** by James Sellick
- 6 **Old Enough to Save the Planet** by Loll Kirby



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**KS1**

## Vocabulary

- 1 **Habitat**
- 2 **Germination**
- 3 **Photosynthesis**
- 4 **Waste**
- 5 **Recycle**
- 6 **Biodiversity**
- 7 **Deforestation**





**KS2**

**Nurturing Nature in KS2 is divided into Lower KS2 (LSK2 - Years 3 & 4) and Upper KS2 (USK2 - Years 5 & 6)**

**Click the Area you Wish to visit**

**Lower KS2  
Y3&4**

**Upper KS2  
Y5&6**

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**"We deserve a safe future. And we demand a safe future. Is that really too much to ask?"**

In 2019, teenage activist Greta Thunberg became world famous for her passionate speeches and campaign to tackle climate change, and to reverse the declining state of the natural world. This sparked a shockwave of interest and inspired millions of young people to support and join the worldwide campaign.

At Attenborough School, we are passionate about caring for our own environment and building for a more sustainable future. We hope to use the messages and passion from Greta and other activists to inspire our global citizens during our next global theme - 'Nurturing Nature'.

During this theme, the children will explore the impacts of climate change and debate the changes that need to be made in order to make a difference to the future of our planet. We will also investigate the main contributors to the climate crisis and discuss ideas and initiatives that could help to reverse these problems.

Our global citizens will also begin to track and identify their own ecological footprint and compare this to that of the school and community footprint. By liaising with our Tri-council and Environment Officers, we will identify ways in which we can reduce our impact on the environment and our planet.

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**Year 3&4**

## ATTENBOROUGH CURRICULUM FOR GLOBAL CITIZENSHIP: **KNOWLEDGE AND UNDERSTANDING**

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English and Topic	
1	Poetry— climate change and environmental issues
2	Discussion text
3	Story Narrative - The story of Frog Belly Rat Bone
4	Non-chronological reports - Climate change
5	Explanation text - Lifecycle of plants

Global Theme - Key Questions	
1	What is climate change?
2	What are the cause and effects of climate change?
3	How does climate change impact different countries and environments?
4	How can we have a positive impact on climate change and sustainability?
5	How can government help reverse and further prevent climate change?
6	Why is a sustainable way of living so important to the future of the planet?

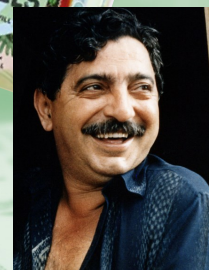
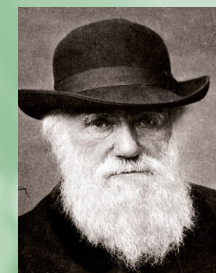
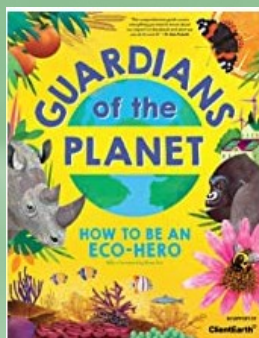


**Year 3&4**

Science	
	<b><u>Rocks</u></b>
1	<ul style="list-style-type: none"> <li>Know how rocks and mountains are formed</li> <li>Classify and group different types of rock</li> <li>Explain the changes that can happen to rocks through weathering</li> </ul>
	<b><u>Plants</u></b>
2	<ul style="list-style-type: none"> <li>Name the key organs of the plant and describe what they do</li> <li>Outline the life cycle of a plant</li> <li>Explore plants in a wider context</li> </ul>

Oracy – Discussions we'll have	
1	Personal , environmental and global impacts and issues
2	Fossil fuels vs renewable energy

Vocabulary	
1	Climate change
2	Environmentalism
3	Ecological
4	Carbon footprint
5	Responsibility
6	Renewable



Global Heroes	
	Sir Charles Darwin
	Chico Mendes



## 'Nurturing Nature' in UKS2

"It may sound frightening, but the scientific evidence is that if we have not taken dramatic action within the next decade, we could face irreversible damage to the natural world and the collapse of our societies."

In 2019, Sir David Attenborough sent a direct message to the nation to act on the biggest responsibilities of the human race. The news of these climate changes were not new. Scientists predicted that there would be loss of sea ice, more intense heat waves and accelerated sea levels, as well as global temperatures increasing rapidly which is the direct cause of human activity.

In our current, fast-paced world, nature and our environment is precious. But time is running out. What are our responsibilities for our planet? For our children and for our children's children?

In this global theme, our learners will explore questions about what changes can be made to save our planet and discuss how our contributions to daily life can impact on our futures.

They will learn about the major contributors to climate change and how this has evolved; They will begin to look at the wider implications of climate change and how their own ecological footprint influences the world around us.

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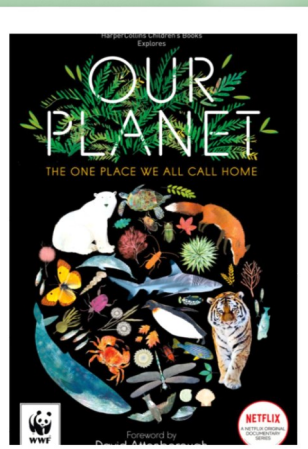
**Year 5&6**

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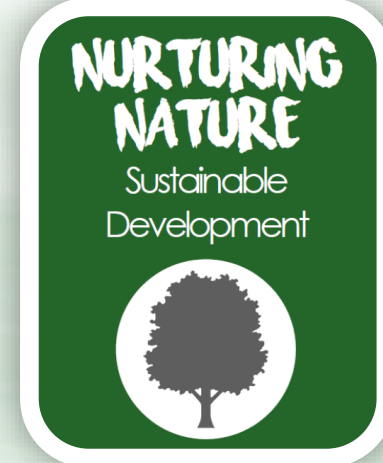




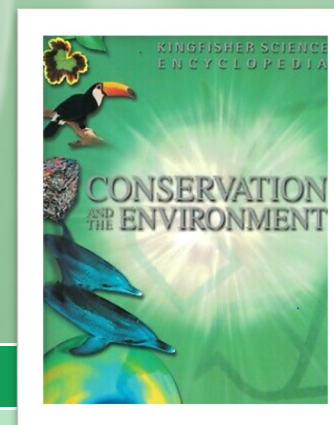
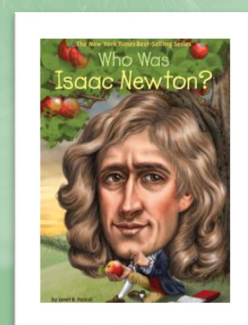
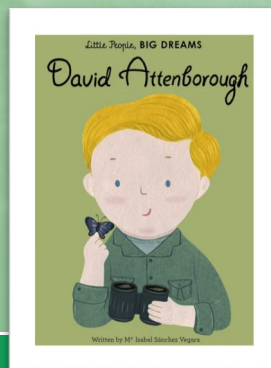
## English

1	Informal Letter-My message to the future.
2	Information Text-Climate Change
3	Debate- How are we looking after our planet? Explore The Paris Agreement and create our own pledges.
4	Explanation Text-Causes and contributions to climate change and sustainable living.

Learning Opportunities-Geography	
1	How has climate change impacted on our world over time?
2	What are the major contributors to climate change?
3	What are the wider implications of climate change and how has this affected the planet?
4	How can we save our planet? Explore renewable energy, meat consumption, saving the oceans and rewilding our World.
5	What are the lessons learnt from the past and how will that affect our choices now and in the future?



Year 5&6

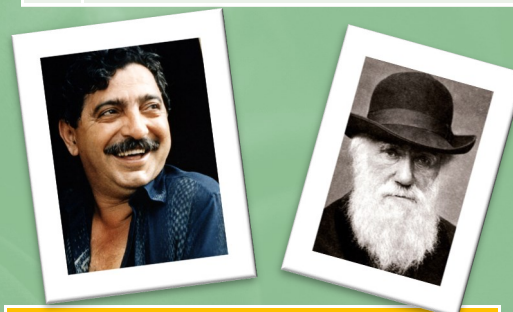


## Science

Evolution and Inheritance	
1	<ul style="list-style-type: none"> <li>recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago</li> </ul>
Forces	
2	<ul style="list-style-type: none"> <li>explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object</li> <li>identify the effects of air resistance, water resistance and friction, that act between moving surfaces recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect</li> </ul>

## Vocabulary

1	Greenhouse gases
2	Climate change
3	Emissions
4	Renewable energy
5	Fossil fuels
6	Biomes
7	Consumption



## Global Heroes

Sir Charles Darwin

Chico Mendes

