

Connected Curriculum Theme: Sustainable Environmental Development

Global Theme Progression: Positive and negative impacts of people’s actions (including own personal choices) on others and the environment. How people can damage or improve the environment.

Global Theme Attitudes: Concern for the environment and commitment to sustainable development

Topic: History will focus on the significant event of plastic being invented. Geography will focus on a local area and how it has changed over time from an environmental perspective.

Our Big Question: How can human’s negative behaviour impact the environment?

Term 5 Learning Questions:

- When/how/who invented plastic?
- What is plastic used for? How does it change overtime?
- What is the impact on the environment?

Term 6 Learning Questions:

- How has the local area changed over the last 30 years?
- Why has Bristol Zoo chosen to relocate to The Wild Place?
- How do we ensure the animals are moving to a sustainable environment? How can we make the environment at The Wild Place much more environmentally friendly?
- How can we raise awareness of environmental change and make a difference?

Visit: Marine biologist – TBC

Term 6 Maxi Product Outcome: Sponsored walk to raise money for a charity e.g. Green Spaces/Deforestation. Develop a video to raise awareness and encourage donations.



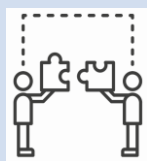
Some Facts (Knowledge & Understanding)	Skills
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THE FIRST SYNTHETIC PLASTICS
By the middle of the 19th century, in the wake of industrialised goods production, some animal-derived materials had become increasingly scarce. Elephants were facing extinction if demand for their ivory, used in items from piano keys to billiard balls, continued. The same fate awaited some species of turtle, whose shell was harnessed for combs. Inventors soon attempted to tackle this environmental and economic problem, with many patents for new semi-synthetic materials based on natural substances such as cork, blood and milk. One of the earliest was cellulose nitrate—cotton fibres dissolved in nitric and sulphuric acids then mixed with vegetable oil. Its inventor, the Birmingham-born [Alexander Parkes](#), patented this new material in 1862 as Parkesine. Considered the first manufactured plastic, it was a cheap and colourful substitute for ivory or tortoiseshell.

Self-awareness and reflection - Children will be able to recognise effects of own behaviour on others and use this to help make choices. The children will be able to identify matters that are important to self and others and will learn from mistakes and feedback.

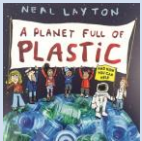



Cooperation and conflict resolution - Children will be able to play and work cooperatively by helping to ensure that everyone in own group is included. They will begin to show tact and diplomacy.



Vocabulary Dozen

Sustainable	Sustainability is the idea that humans must interact with the environment in a way that ensures there will be enough resources left for future generations.	Compare	Estimate, measure, or note the similarity or dissimilarity between.
Reusable	Able to be used again or more than once.	Fieldwork	Scientific research, exploration, or observation conducted outside of the classroom.
Environment	The surroundings or conditions in which a person, animal, or plant lives or operates.	Urban	Urban areas are areas where many people live and work, resulting in very dense development. The population density is higher than in the surrounding area. It is where buildings are close together. Urban is the opposite of rural, where farm lands and nature are.
Manufactured	Produced on a large scale using machinery.	Recycling	The action or process of converting waste into reusable material.
Invented	Create or design (something that has not existed before); be the originator of.	Impact	A marked effect or influence.
Observation	The action or process of closely observing or monitoring something or someone.	Facilities	A place, amenity, or piece of equipment provided for a particular purpose.

Subject	Term 5 Learning		
Core Text & Writing	Week 1-3: Fantasy narrative Animation from Literacy Shed: Something Fishy https://www.literacyshed.com/something-fishy.html	Week 3-4: Instructions on how to make a sock fish.	Week 4-5: Non-chronological report Core text: A planet full of plastic/ Michael Recycle  
Reading Skills	<ul style="list-style-type: none"> -Make predictions, provide evidence, explain and make connections: I predict that... I think this because... This could mean that... This story might be similar to... -Read fluently (sounding out unfamiliar words) with attention to punctuation -Know the majority of high frequency words by sight -Independent reading: Read silently or quietly at a more rapid pace, taking note of punctuation and using it to keep track of longer sentences. Read chapter books for more sustained reading. -Extract meaning in discussion and draw simple inferences -Find and retrieve information -Develop an increased awareness of vocabulary and precise meaning 		
Mathematics	Fractions Time 3 times table: Develop fluent step counting and conceptual understanding of what multiplication and division facts represent and how times tables are structured. Learn Its target by the end of Term 6: Step 9		
Science	Materials		
Religious Education	What does it mean to belong to a faith community? (Islam & Christianity)		
Computing	Programming		
Physical Education	Dance (oceans) Striking and fielding		
Geography	Focus on a local area and how it has changed over time from an environmental perspective.		
History	The significant event of plastic being invented.		
Art and DT	3D Sculpture – Create an ocean scene and sea creatures from recycled materials Textiles – Create a sock fish		
Jigsaw	Relationships		
Music	Friendship Song by by Joanna Mangona and Pete Readman		
French	The fruits		

