



Climate

Year 3 - Spring 2

CURRICULUM SPOTLIGHT: Geography | Science | PRE

ENQUIRY

How does climate affect lives?

OUTCOMES

Climate exhibition to parent community

VOCABULARY

Geography: Latitude, Longitude, Equator, Northern Hemisphere, Southern Hemisphere, Tropic of Cancer, Tropic of Capricorn, Arctic circle, Antarctic Circle, Prime/Greenwich Meridian, time zones.

Science: herbivore, carnivore, omnivore, nutrition, diet, food chain, data, table, bar chart, carbohydrates, proteins, dairy, fats, sugars, vitamins, minerals, fibre, growth, repair, health, energy, vertebrate, invertebrate, bone, skeleton, skull, ribcage, pelvis, femur, muscles, joints, tendons, contract, relax, biceps, triceps, data, scattergram, lungs, diaphragm, lung capacity, investigate, measure, compare

KEY TEXTS

Poems from a Green and Blue Planet

Climate Crisis for Beginners

Climate Action: The future is in our hands

BACKGROUND KNOWLEDGE

<https://kids.nationalgeographic.com/science/article/climate-change>

<https://www.geography.org.uk/Announcements-and-updates/Page-3/climate-change-resources-from-the-ga/230395>

Teaching Climate Change in Primary Schools by Anne M Dolan

Teaching Climate Change in the Humanities by Stephen Siperstein

RESOURCES

Cambridge Zero: <https://www.zero.cam.ac.uk/>

English	Mathematics	Physical Education	History
<p>Spelling</p> <ul style="list-style-type: none"> - Phonemes: n, r, s, t, sh, ay, ee <p>Grammar</p> <ul style="list-style-type: none"> - Variation of sentence structure <p>Subordination</p>	<p>Calculation and Multiplication</p> <ul style="list-style-type: none"> - 7x table - Patterns across times tables - Related division facts <p>Using the inverse to solve multiplication and division equations</p>	<p>Creative</p> <ul style="list-style-type: none"> - Coordination- sending and receiving - Counter balance- with a partner - Netball 	<p>University Town</p> <ul style="list-style-type: none"> - A look into the history of Cambridge studying specific people, places and developments over time. <p>There will be focus on the changes from settlements to city as well as a look into how Cambridge became known as a university town.</p>
PSCHE and PRE	Spanish	Art	Computing
<p>PSHCE</p> <ul style="list-style-type: none"> - Family and friends <p>PRE</p> <ul style="list-style-type: none"> - Christianity - Easter 	<p>Music</p> <p>Musical instruments</p>	<p>Drawing</p> <ul style="list-style-type: none"> - Discuss shadows, light and dark - Have an awareness of how pattern can be used to create texture <p>Painting and colour</p> <ul style="list-style-type: none"> - Make tints of one colour by adding white - Darken / Lighten colours without using black / white 	<p>Digital Literacy</p> <ul style="list-style-type: none"> • Explore the use of the internet to convey information in differed formats. • Explore the use of search engines to find information. • Identifying appropriate content online. • Develop typing skills
Geography	Science		
<p>Substantive Knowledge</p> <ul style="list-style-type: none"> - Understand the difference between weather and climate (average weather). - Know and locate the different climate zones around the world: Tropical /Dry/ Temperate / Continental / Polar - Understand how and why climate is changing, how it affects the water cycle and challenges posed by these changes. <p>Disciplinary skills</p> <p>Maps, atlases, globes, digital maps</p> <p>Compass directions</p>	<p>Animals</p> <ul style="list-style-type: none"> - Identify that animals, including humans, need the right types and amount of nutrition - Identify that humans and some other animals have skeletons and muscles for support, protection and movement. 		

