

Kensworth Church of England Academy									
Theme: Save our Planet				Year: 2/3				Main concepts: Science and Geography	
What should children already know?						What will the children learn?			
<p>Children should be able to: Name countries of the UK. Name some of the world's continents and oceans. Understand the different seasons and weathers. Identify suitable habitats for particular animals.</p>						<p>By the end of this topic the children should be able to:</p> <ul style="list-style-type: none"> Describe and understand key aspects of: physical geography, including: climate zones Name the 7 continents of the world. Name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics, key topographical features (including hills, mountains, coasts and rivers). The names for the 4 seasons and that there are differences between them. Name, identify and sort everyday materials. Understand how flood and fire affect living things including the availability of food, and how humans can reduce the effects of changes to the environment. 			
Key vocabulary									
Global warming	Renewable energy	Temperate	Solar power	Drought	Electricity				
Greenhouse gases	Recycling	Tropical	Climate zones	Flood	Hydro electric				
Methane	Pollution	Mediterranean	Wind power	Deforestation	Dam				
oxygen	polar	Arid (desert)	Climate change	plastic	Wind turbines				
Geographical skills and fieldwork									
<p>Use world maps, atlases and globes to identify the United Kingdom and its countries, as well as the countries, continents and oceans. Identify the location of hot and cold areas of the world in relation to the Equator and the North and South Poles Use some basic geographical vocabulary to refer to: key physical features, including: beach, cliff, coast, forest, hill, mountain, sea, ocean, river, soil, valley, vegetation, season and weather. Key human features, including: city, town, village, factory, farm, house, office, port, harbour and shop. Name and locate counties and cities of the United Kingdom. describe and understand key aspects of: physical geography, including: climate zones.</p>						<p>Identify the current issues of climate change and global warming, the causes and effects. Children will become more aware of how they can make changes and contribute to saving our planet. They will use their knowledge of recycling and saving energy daily in the classroom and at home.</p>			
Scientific skills					Transferable skills				
<p>Name and describe materials. Sort materials into similar groups – Recycling. Identify different weathers. Discuss the increasing greenhouse gases that surround the earth and the effect this has. Introduction of renewable energy. Understand how flood and fire affect living things including the availability of food, and how humans can reduce the effects of changes to the environment.</p>					<p>During this theme, children will continue to develop and expand their use of the following transferable skills: Personal Effectiveness *Self-improvement (including through constructive self-reflection, seeking and utilising constructive feedback and effective goal setting) *Resilience (including self-motivation, perseverance and adaptability) *Self-regulation (including promotion of a positive growth mindset and managing emotions and impulses) *Clarifying own values and re-evaluating values and beliefs in light of new learning, experiences and evidence *Recalling and applying knowledge creatively and in new situations Interpersonal and Social Effectiveness *Empathy and compassion (including impact on decision making and behaviour) *Respect for others' right to their own beliefs, values and opinions *Teamworking *Leadership skills Managing Risk and Decision Making (integral to above) *Identification, assessment and management of positive and negative risk to self and others *Formulating questions (as part of enquiring approach to learning and assessing value of information) *Identify links between values and beliefs, decisions and actions *Making decisions</p>				
English curriculum links									
<p>Reading of non-fiction texts to research more information. Explanation writing of how objects are recycled. Creating posters/leaflets to persuade others to recycle and save energy. Persuasive writing – letter writing to ask for change. Theme related text – Tin Forest – includes diary entry, letter, newspaper report.</p>									
Mathematics curriculum links									
<p>Sorting and comparing materials – venn diagrams, bar and tally charts. Measuring – Reading scales and recording measurements.</p>									
PHSE & Values									
<p>PSHE – Health and Wellbeing; H2, H3, H4, H12, H13, H16. Relationships; R6, R8, R9, R12. Living in the Wider World; L1, L2, L4. Values - Generosity and Compassion.</p>									
RE Links					Computing				
<p>What kind of world did Jesus want? – Respecting the planet and all that is on it.</p>					<p>Creating posters/presentations/leaflets. Researching using search engines.</p>				
Art					DT				
<p>Landscape art. Recreating David Hockney art – with a twist. Junk modelling using recycled objects – Creative homework.</p>					<p>Wind mills. Building houses with solar panel effect. Sock puppets/creatures.</p>				

