

Topic Plan

Year 4		
Summer 1 – ‘What’s your impact?’		
Key Skills	Key Facts	Key Vocabulary
<ul style="list-style-type: none"> Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions. Use results to draw simple conclusions, make predictions for new values, suggest improvements, and raise further questions. Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables. Describe how people have been affected by changes in the environment. Use his/her knowledge of techniques and the functional and aesthetic qualities of a wide range of materials to plan how to use them. 	<ul style="list-style-type: none"> It can take up to 500 years for a piece of plastic to biodegrade. If the level of pollution continues, by the year 2050 experts think the amount of plastic in the ocean will weigh more than the amount of fish. Single use plastics make up 40% of the plastic made every year. About eight million tonnes of plastic are dumped in the ocean each year. Approximately, 83% of earth’s land surface has been affected by human activity, threatening plant and animal species. In the UK we recycle only 17% of our waste. 	<ul style="list-style-type: none"> Biodegradable – capable of being decomposed avoiding pollution. Pollution - when something is added to the environment that is harmful or poisonous to living things. Recycle - taking a material like the plastic in a plastic bottle or the metal in a drink can and putting it through a process so the material can be used again. Upcycle - reuse (discarded objects or material) in such a way as to create a product of higher quality or value than the original. Endangered – animals close to extinction. Extinction - there aren't very many of that type of animal left in the world
Key Figures/Places	Reading and Writing Links	
<ul style="list-style-type: none"> Alexander Parkes – In 1855 he created the earliest example of plastic called Parkesine. We now know it as celluloid. Leo Baekeland – in 1907 he created Bakelite, the first real synthetic, mass-produced plastic. Greta Thunberg – a young activist who stands up against world leaders at their failures to address the climate crisis. 	<p>Writing:</p> <ul style="list-style-type: none"> A variety of non-fiction texts (including leaflets, scripts, adverts, a non-fiction book) Poem <p>Reading – Class text for guided reading – ‘Song of the Dolphin Boy’ by Elizabeth Laird.</p> <p>We are developing the children’s ability to infer and extract information from a text within school. To support this, it is vital that the children are reading at least 5 times per week at home for 30 minutes. They should record this in their reading record and ask an adult from home to initial it.</p>	

