

Class/Year: Year 4	Start Date: 2 nd March 2020		Finish Date: 3 rd April 2020 (5 Weeks)		Values: SMSC - staying safe.		
		Hook: Introduce children to the idea of renewable energy through wind power. Set a challenge to design and build an object using wind as a power source to create movement.					
		Rationale: The children will be given the opportunity to find out about the advantages and disadvantages of wind power, linking it with renewable energy and caring for the environment.					
		Outcome: To create a wind powered moving object.					
BRIGHT SPARKS	Focus Area: DT. Children will learn to: <ul style="list-style-type: none"> • generate ideas for products after thinking about who will use them and what they will be used for • develop ideas and explain them clearly • plan what they have to do • select appropriate tools and techniques • suggest alternative ways of making their product, if first attempts fail • explore the sensory qualities of materials • measure, mark out, cut and shape a range of materials • use finishing techniques to strengthen and improve the appearance of their product. • reflect on the progress of their work as they design and make, identifying ways they could improve their products • carry out appropriate tests before making any improvements • recognise that the quality of a product depends on how well it is made and how well it meets intentions • how the working characteristics of materials affect the ways they are used • how materials can be combined and mixed to create more useful properties • how mechanisms can be used to make things move in different ways 					Supporting Focus Area: Science. Children will learn: <ul style="list-style-type: none"> • that some materials are better electrical conductors than others • how electrical and solar circuits, including those with simple switches, can be used to achieve results that work. 	
						Supporting Focus Area: Art and Design. Children will learn: <ul style="list-style-type: none"> • to investigate and combine visual and tactile qualities of materials and processes and to match these qualities to the purpose of the work • about materials and processes used in art, craft and design and how these can be matched to ideas and intentions. 	
						Linked Teaching Programmes (LTPs): Literacy- Information Explanation Text.	
	Discrete Teaching Programmes (DTPs): Daily Maths lessons. Spelling and Handwriting, Reading, PE, SEAL - Good to be me! Religious Education: R.E.-Holi-Mary, Mother of God					Family Homework Task: Imagine you are an inventor and invent a vehicle to transport an egg safely down a ramp. Due in on Friday 27 th March 2020. Racing will be the following week! You'll need a hard-boiled egg too! Get cracking!!	