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| Class/Year: Year 4 | Start Date: 2 nd March 2020 | | Finish Date: 3rd 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. | | | |
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| 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 fordevelop ideas and explain them clearlyplan what they have to doselect appropriate tools and techniquessuggest alternative ways of making their product, if first attempts failexplore the sensory qualities of materialsmeasure, mark out, cut and shape a range of materialsuse 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 productscarry out appropriate tests before making any improvementsrecognise that the quality of a product depends on how well it is made and how well it meets intentionshow the working characteristics of materials affect the ways they are usedhow materials can be combined and mixed to create more useful propertieshow 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 othershow 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 workabout 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!! | |