



Class/Year:	Year 5	Start Date: 7 th January 2020		Core Values: <ul style="list-style-type: none">• Learning to co-operative well with others and to resolve conflict effectively.• Investigating and discussing moral issues and consequences of actions.• Learning about the world around us and reflecting on our experiences.• Understanding our cultural heritage and respecting our cultural diversity.		
		Finish Date: 5 th April 2020				
Title: Magical Materials	 Magical Materials	Hook: The young muggles will create spell-binding, slimy substances out of mysterious, magical materials, in a wizardry workshop!				
		Rationale: We will be reading Harry Potter and the Philosopher's Stone and immersing ourselves in all things magical! The children will explore materials and the mysterious way they can change. Year 5 muggles will attempt to become wise wizards with vast knowledge of the properties of materials, reversible and non-reversible changes that occur through heating and cooling, how some materials dissolve and how some new materials can be created by changes that happen in certain ways. They will plot and perform miraculous experiments as well as creating art work by manipulating mixed materials.				
		Outcome: The children will create their own Harry Potter wizarding workshop/ science fair for other children to enjoy.				
		Focus Area: Science - Materials Through a range of practical experiments pupils will be taught to: <ul style="list-style-type: none">* Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets.* Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution.* Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating.* Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic.* Demonstrate that dissolving, mixing and changes of state are reversible changes.* Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible.		Focus Area: English - Harry Potter and the Philosopher's Stone, by JK Rowling. Through guided reading and English lessons, the pupils will read the book, exploring characters through drama and role play. Settings and author's word choices will be investigated. They will have an opportunity to write their own narratives, exploring wizardry and magic! Pupils will also have the chance to read and create their own non-fiction text about Hogwarts, based on non-chronological reports such as encyclopedia and fact books.		
				Supporting Focus Area: Art- Mixed material masterclasses Pupils will be taught to develop their techniques, including their control and their use of materials, with creativity, experimentation and an increasing awareness of different kinds of art, craft and design. They will experiment with mixed media art forms, trying out different techniques such as marbling, wax resist and bubble printing, in order to create illustrations amongst other things.		
Discrete Teaching Programmes (DTPs): Maths - Daily Maths lessons. Out and About/ PE - Swimming/Indoor fitness training and Dance Music - Singing with Mrs Edgerton. Computing - Using search technologies. PSHE - SEAL French - RE days						
Homework Tasks: Create and bring in a magical potion along with a spectacular spell, which explains how to make it and what will happen to the person who drinks it *. (*We will not actually be drinking them so the potions can be as weird and wacky as you like but please be stored in a sealed, non-drip container!) due 27/3/20						

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