



Harry Potter and the Art of Science



Phase: Year 5/6	Term: Spring 1	Duration: 6 weeks
Learning Button Focus: Risk Takers		
<p>Rationale: After receiving a message from Dumbledore, the children will embark on a wizarding adventure of scientific experiments to ultimately understand the three states of matter. They will follow their own lines of enquiry to discover how mixtures might be separated through filtering, sieving and evaporation. Children will also demonstrate that dissolving, mixing and changes of state are reversible changes. Through conducting a range of exciting scientific experiments, they will develop their understanding of writing detailed scientific reports. During English lessons, the children will study extracts from 'The Philosophers Stone' by JK Rowling focusing on her use of figurative language, setting and character descriptions and the integration of dialogue to convey a character and advance the action. The children's learning will be celebrated at a grand graduation ceremony.</p>		
<p>Hook: All children to enter the 'Great Hall' to experience a science lesson with Professor McGonagall. The children will conduct a range of exciting science experiments.</p>		
<p>Outcome: The children will graduate from Hogwarts School of Science in front of their parents and will display their learning at the ceremony.</p>		
Science	English	Computing
<ul style="list-style-type: none"> • Plan and conduct a class enquiry to dissolve liquids to form a solution and recover the solute. • Plan and conduct their own enquiry to investigate when two or more substances are mixed, can the mixture separated through sieving, filtering, evaporating. • Investigate and apply understanding of evaporation and condensation to deepen their understanding of the water cycle. • Investigate how different states of matter respond to reversible and irreversible changes considering different variables. 	<p><u>Reading Opportunities</u></p> <ul style="list-style-type: none"> • Read extracts from the Philosopher's Stone and other fiction texts commenting on how author uses language/ figurative language to set the mood and atmosphere. • Draw inferences about character's feelings, thoughts and motives from their actions justifying with evidence. <p><u>Spelling, Punctuation and Grammar</u></p> <ul style="list-style-type: none"> • Identify and recognise relative and subordinate clauses. • Punctuate clauses correctly. • Use the 3 types of adverbials. <p><u>Speaking and listening / writing</u></p> <ul style="list-style-type: none"> • Drama to bring settings and characters to life. • Write setting and character descriptions. • Write newspaper articles using reported and direct speech. 	<ul style="list-style-type: none"> • Select, use and combine software on the Learn Pads to create a stop frame animation. • Develop the use of Green Screen technology adding special effects to stop frame animations.
<p>Discrete Subject(s): DT: Create models of their characters based on the reading of J.K. Rowling</p>		<p>Music: Trumpets and Trombones PE: Gymnastics and Dance French: Hobbies (I like/I dislike)</p>
<p>Trips, opportunities and experiences: A trip to Warner Bros Studios - 'The Making of Harry Potter'.</p>	<p>Home learning: See separate sheet.</p>	<p>Religious Education: Gospel: What would Jesus do? Big Question: What is the good news that Jesus brings?</p>