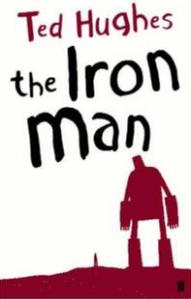


<p>This half term's topic is <b>Scream Machine</b></p>	<p>Year group- 5</p>	<p>Term – Summer 2</p>	<p>Duration- 7 weeks</p>	<p>Academic year: 2021-2022</p>
<p><b>Half term topic knowledge organiser</b></p> 				
	<p><b>Big question</b> </p>	<p><b>Key events</b></p>	<p><b>PSHE, SMSC and British Values</b></p>	<p><b>Opportunities for 5 R's</b></p>
	<p>What role do forces play in our everyday lives?</p>	<p>Park Trip  Paulton's Park</p>	<p>SMSC: Participate in cultural opportunities and understand, accept, respect and celebrate diversity.</p> <p>PSHE: To recognise their increasing independence brings increased responsibility to keep themselves and others safe.</p> <p>British Values: To understand that we live in a democratic country, built on freedom and equality, where everyone is aware of their rights and responsibilities.</p>	<p><b>Reciprocal:</b> Working in groups to conduct successful scientific investigations <b>Resourceful:</b> Using prior knowledge to make links with their learning. <b>Reflection:</b> Evaluate the effectiveness of their investigations. <b>Resilient:</b> Persevering with trial and error tasks. <b>Responsible:</b> Being responsible citizens and treating others with respect.</p>
<p><b>The big picture</b> </p>	<p><b>Key vocabulary</b> </p>	<p><b>Key dates</b></p>	<p><b>Homework and what you can practice at home</b> </p>	
<p>Forces have been a part of the universe's existence since time began. Forces have govern laws of physics and many big ideas in science are based on the knowledge of forces. Without forces, our knowledge of the universe would be very different.</p>	<p>Friction, mechanism, air resistance, water resistance, force, gravity, centripetal, lever, pulley.</p>	<p>Sports Day: 24<sup>th</sup> June  Paultons Park: 6<sup>th</sup> July  Transition: 12<sup>th</sup> July</p>	<p>Doodle – Daily English and Maths Daily reading – Please complete reading passports TTRS – Complete 3 sessions per week EdShed – Complete 3 games per week</p> <p><b>Useful websites and resources:</b></p> <ul style="list-style-type: none"> <li>• Portsmouth Library Service</li> <li>• Oaks Academy</li> <li>• BBC Bitesize</li> </ul>	

Key English stimulus	Maths	French	Computing	Religious Education
 <p>Ted Hughes the Iron man</p> <p>The Iron Man by Ted Hughes.</p>	<p>This term the children will develop their understanding of:</p> <ul style="list-style-type: none"> <li>- Measurement</li> <li>- Statistics</li> </ul> <p>Children will continue to revisit key arithmetic skills and previous maths topics.</p>	<p>Children will continue to work on their vocabulary every Friday during their enrichment time.</p>	<p>Children will learn how to create programs and explain how algorithms work. They will gain an understanding of how work with variables and identify errors.</p>	<p>Children will engage with the concept of religious festivals across a range of religions.</p>
History/Geography National Curriculum objectives	Science National Curriculum objectives		Art/Design Technology/music National Curriculum objectives	
	<p>Pupils will be taught to:</p> <ul style="list-style-type: none"> <li>- Explain that unsupported objects fall towards the Earth because of the force of gravity acting between Earth and the falling object</li> <li>- Identify the effects of air resistance, water resistance and friction that act between moving surfaces</li> <li>- Recognise that some mechanisms, including levels, pulleys and gears allow a smaller force to have a greater effect.</li> </ul>		<p>Design Technology:</p> <ul style="list-style-type: none"> <li>- Design: Use research and develop design criteria to inform design of innovative, functional, appealing products that are fit for purpose</li> <li>- Make: Select and use from a wider range of materials and components, according to their functional properties</li> <li>- Evaluate: Evaluate their ideas against their own design criteria and consider how to improve their work</li> </ul>	