



<p>Science Electricity</p> <p>Children will learn how to plan and carry out electric circuit investigations using current electrical knowledge. They will set up a series of enquiries that explore electrical circuits and various effects and record their findings in tables and graphs.</p> <p>They will learn to identify from circuit diagrams those circuits that will or won't work, draw an accurate circuit diagram and conduct research and explain why electrical components behave as they do in terms of resistance.</p> <p>They will learn to investigate, design and make a dimmer switch and describe how a dimmer switch affects resistance.</p> <p>Finally, they will learn to build a working circuit and explain how components work and the effect that different voltages have on the components</p>	<p>Mathematics Place Value: Place value Negative numbers Calculation strategies: Use of brackets in calculation Addition and subtraction Decimals and Fractions: Frog for decimals Explore fractions, decimals & percentages Multiply and divide fractions Time and data: Time and timetables Line graphs and pie charts</p>	<p>Computing Staying safe online:</p> <p>Children will discuss the importance of staying safe online and the reasons why we should keep personal information private. They will also identify where to go for help and support when they have concerns about content or contact on the internet.</p> <p>Scratch, Algorithms and Debugging: The children will learn what Algorithms are and how following each step will achieve the correct outcome.</p> <p>They will work with programs and operations such as Scratch, debugging, patterns unplugged and variables unplugged.</p>	<p>English</p> <p>Fiction: Stories with flashbacks Kidnapped! By Pie Corbett</p> <p>Non-Fiction: Persuasive writing Essential books: The Tin Forest by Helen Wood & Wayne Anderson Dinosaurs and all that Rubbish by Michael Foreman</p> <p>Poetry: Free form poetry</p> <p>SATs Revision Block</p>
 <p>Spring Term 1 Theme - Frozen Kingdom</p> <p>In the Frozen Kingdoms project, your child will learn about the regions of the Arctic and Antarctic. They will learn about the similarities and differences between these two regions, including the climate, landscape and natural resources. They will learn how to use grid references, lines of latitude and longitude, contour lines and symbols to identify the geographical locations of the Arctic and Antarctic, and how these, along with the tilt of the Earth, affect day length and warmth. They will investigate polar oceans to learn how they differ from other oceans on Earth and how climate change increases Earth's temperature and leads to rising sea levels. They will learn about the indigenous people of the Arctic, including how their lives have changed over time, and about the positives and negatives of tourism in Antarctica. They will also learn about classifying animals, animal adaptations and evolution, and polar exploration and discovery.</p>			
 <p>Qur'aan Al Mujadila Halaqah: Wudu, Tayammum, Salah, Qada RE: Parinirvana Buddhism PSHE/RSE: Children will learn about the importance of relaxation and sleep; understanding how to cope with failure; learning how to set goals and how to achieve goals; living a healthy lifestyle; the impact of technology on mental health and wellbeing; creating resilience strategies; the benefits of immunisation; creating good habits. Children will learn that online relationships should be treated in the same way as face to face relationships</p> <p>Arabic: Health and fitness Vocabulary and sentences related to Injuries, illnesses and treatments</p>	<p>PE: Outdoor: Striking and Field - Cricket</p> <p>This cricket unit will teach children the skills and techniques needed in order to take part in Kwik Cricket games and matches. The children will learn the fundamental skills of both batting and bowling, developing their ability to hit and strike a ball towards different areas of a cricket ground, as well as learning the technique for bowling overarm from a standing position. Children will develop their fielding skills by learning how to catch balls travelling along different trajectories or pathways and will be introduced to the different ways of stopping a ball travelling along the ground. Throughout the unit, a lot of the language and terminology used in cricket is introduced and explained. This set of lessons culminates with the children using and showcasing their skills in a competitive match of Kwik Cricket.</p>	<p>Geography Frozen Kingdoms</p> <p>This project will teach children about the characteristics and features of polar regions, including the North and South Poles, and includes a detailed exploration of the environmental factors that shape and influence them.</p>	<p>Art Inuit</p> <p>This unit will teach children about the Inuit way of life, including some of their cultural and artistic traditions.</p>