
















# Our Year 6 Curriculum - Autumn 2



<b>Big Question</b> 	Children will be learning about evolution and inheritance. They will identify which scientist proposed the theory of evolution, how the environment impacts physical and behavioural changes over time and explore how these changes are passed on. At the end of the autumn half-term, they will use all their learning across all subjects to help them answer the big questions: how has the climate/biome impacted adaptation and evolution in the Galapagos?
<b>Maths</b> 	Children will continue to identify and explore efficient and effective strategies for solving multiplication and division problems. This leads into our fractions unit, in which children will revise Year 5 content to ensure greater understanding of the Year 6 content. In this unit, the fraction problems that children will learn range from identifying equivalent and simplifying fractions to multiplying and dividing fractions. They will use concrete (physical) and pictorial strategies to help build understanding and further develop mathematical reasoning.
<b>English</b> 	Children's writing will be based around Malorie Blackman's novel, Pig Heart Boy. They will continue to revise their existing grammar and punctuation foundations, while learning new concepts such as adverbials, semi-colons, colons and the passive form. They will focus on the audience and purpose of different genres and deepen their understanding of proof-reading, editing and redrafting their written work across these. In reading, children will focus on reading skills and practise comprehension questions.
<b>Geography</b> 	In geography, the children will be learning about the Galapagos islands. We will learn how they were formed and investigate the climate, biome and ocean currents in order to understand how this has affected the unique fauna and flora that can be found there. We will look at how all these elements have been instrumental in the adaptation of animals.
<b>Science</b> 	In science, the children will build on their existing knowledge of changing environments and reproduction to explore Darwin's theory of evolution and 'the survival of the fittest'. Study will include the adaptations of finches' beaks on the Galapagos Islands and a recognition that characteristics are inherited.
<b>Religious Education</b> 	This half term the children will continue to learn about and from Hinduism, as they did last half term. However, the focus will be on understanding the importance of worship and knowing about the place of worship. This learning will lead to a final assessment piece where the children will answer the question - how can Brahman be everywhere and in everything?
<b>PSHE</b> 	The children will be deepening their understanding of how we can stay healthy as we grow. They will explore ideas about what is a healthy lifestyle, discuss how some choices made may be bad for a healthy lifestyle and will work towards making links between a healthy lifestyle and general well-being.
<b>Music</b> 	The children will be using Garage Band on the iPads to compose their own protest songs. They will be using a given chord structure and lyric structure but can add instrumental breaks. They will also continue to build confidence in performance skills and maintain their own parts in ensembles.
<b>Art and Design</b> 	This half term, children will be practising the skill of painting, with a particular focus on the work of Henri Rousseau. The children will build upon their prior

	<p>knowledge of landscape art, to complete their own Rousseau-inspired painting. They will experiment with composition and colour mixing, as well as developing the skills required to reflect upon and evaluate their own work.</p>
<p><b>Computing</b></p> 	<p><b>'Big Data'</b> describes the ways that companies and organisations use data in their work. Children will identify how barcodes and QR codes work. They will learn how infrared waves are used for the transmission of data while recognising the uses of RFID as well as gathering, analysing and evaluating data collected from RFID data collection points.</p> <p><b>Online Safety: Sharing Online</b></p>
<p><b>French</b></p> 	<p>Pupils will learn to ask and tell the time to the nearest hour in French. They will explore the conjugation of some irregular French verbs to enable them to further extend their sentences. They will use their knowledge of the new vocabulary and grammar to write a fictitious email in French to a friend.</p>
<p><b>Outdoor PE</b></p> 	<p>In this basketball unit, pupils will develop key skills and principles such as defending, attacking, throwing, catching, dribbling and shooting. Pupils will learn to use attacking skills to maintain possession as well as defending skills to gain possession. Pupils will be encouraged to work collaboratively to think about how to use skills, strategies and tactics to outwit the opposition.</p> <p>They will develop their understanding of the importance of fair play and honesty while self managing games, as well as developing their ability to evaluate their own and others' performances.</p>
<p><b>Indoor PE</b></p> 	<p>Pupils will improve on key skills used in dodgeball such as throwing, dodging and catching. They will also learn how to select and apply tactics to the game to outwit their opponent. In dodgeball, pupils achieve this by hitting opponents with a ball whilst avoiding being hit.</p> <p>Pupils are given opportunities to play games independently and are taught the importance of being honest whilst playing to the rules. Pupils will learn officiating skills when refereeing games and are given opportunities to evaluate and suggest improvements to their own</p> <p>In swimming, pupils will continue to develop their breaststroke technique, focusing on their breathing and on water safety with a focus on floating.</p>