








# Curriculum Overview for Parents and Carers





Year 4



Autumn Term

This term we will be learning the following things. Here are some useful hints and tips for helping at home!

	Overview of Learning	Ideas for Learning at Home
<p><b>English</b></p> 	<p>Our class novels will be 'The Lion, the Witch and the Wardrobe' by C.S. Lewis in Autumn 1 and 'The Miraculous Journey of Edward Tulane' by Kate DiCamillo after October half term. We will read different kenning poems to help us write our own poems based on the story 'Firebird'. Afterwards, the children will look at different ways they can structure and organise a narrative and write a non-chronological report in the form of a magazine article. Once we have visited Robinwood, we will create a presentation board to persuade Year 3 children to attend the residential next year.</p> <p>In Autumn 2, the children will write in role of a character from 'The Lion, the Witch and the Wardrobe' to produce a formal letter. Then they will write a narrative with rich and varied vocabulary. Using knowledge from our Geography topic 'rivers', the children will write an explanation of the process of the water cycle.</p>	<p>Your child could have their own diary at home which they can write in daily. This will improve their key skills in writing like spelling, punctuation and handwriting.</p> <p>Your child has a 'Spelling Shed' login which they can use to practise previous and current spelling rules online. The log in details are stuck in their reading record.</p>
<p><b>Maths</b></p> 	<p><b>Place value:</b> Represent and know the value of thousands, hundreds, tens and ones; partition thousands, hundreds, tens and ones; number lines to 1000; 1, 10, 100, 1000 more or less than a number; compare two numbers using <math>&lt;</math> <math>&gt;</math> <math>=</math>; order sets of numbers; round to the nearest 10, 100 and 1000.</p> <p><b>Position and direction:</b> Describe positions using coordinates; plot coordinate; translate on a grid; describe a translation.</p> <p><b>Addition and subtraction:</b> Add and subtract numbers with up to four digits using concrete resources, pictorial representations and formal written methods; solve addition and subtraction two-step problems in context deciding which operation to use; estimate and use inverse operation to check answers.</p> <p><b>Statistics:</b> interpret bar charts; answer comparison questions; answer sum (+) questions; interpret line charts.</p> <p><b>Measurement and length:</b> Equivalent lengths (km and m); perimeter on a grid; perimeter of a rectangle; perimeter of rectilinear shapes (with and without missing values); perimeter of polygons.</p> <p><b>Multiplication and division:</b> Multiply/divide by 10 and 100; related multiplication and division facts; Multiply and divide with 2-digit and 3-digit by a 1-digit number using concrete resources, pictorial representations and formal written methods.</p>	<p>It is important that all of the children know all of the multiplication and division facts up to <math>12 \times 12</math> by the end of May; Times Tables Rockstars &amp; Hit the Button is a fun way to practise these.</p> <p>When you are out shopping, can your child use their mental maths and rounding skills to estimate how much your shopping bill will be?</p> <p>Encourage your child to read the time on both analog and digital clocks.</p>

<p><b>Science</b></p> 	<p>Our first science topic this term will be 'Living Things and their Habitats'. The children will learn that all living things can be grouped in a variety of ways based on their different characteristics. They will use and create their own branching keys, asking appropriate questions to classify different animals.</p> <p>Our second topic will be 'Teeth and Eating'. They will learn about the different types of teeth humans have and what we use them for, as well as the importance of looking after them! Then they will delve further into the functions of the digestive system, writing about the journey a piece of food takes as it makes its way through the body. They will find out about some of the things that can go wrong with the digestive system and the importance of a healthy diet.</p>	<p>This is a great website for simple science experiments to do together at home: <a href="http://www.sciencefun.org/kidszone/experiments">http://www.sciencefun.org/kidszone/experiments</a></p>
<p><b>Geography</b></p> 	<p>The children will be exploring what rivers are, why a river doesn't run out of water (linked to the water cycle) and how rivers are formed. This will hopefully include a trip to the River Tees in our neighbouring village, Croft where they will see some of the features of a river and sample the river flow. The children will also be discussing flood risks with a visitor from the Environment Agency towards the end of the topic.</p>	<p>You and your child could take a stroll down to a local river and see if they can tell you anything about how the river was formed.</p>
<p><b>Art &amp; Design</b></p> 	<p>In our topic 'Cityscapes' the children will explore artist linked to our topic such as Sir Christopher Wren, Stephen Wiltshire and L.S. Lowry. They will learn about perspective and experiment with drawing cubes and cuboids using the grid method. To portray form and realism, the children will experiment with hatching, cross-hatching and directional shading. They will design and create their own cityscape using perspective. Finally, they will evaluate their artwork.</p> <p>The River Art Lab will also hopefully visit the children in school this half term to create art pieces linked to their visit to the River Tees.</p>	<p>Can your child show you the grid method to create cubes and cuboids? Can they draw a cityscape they have seen or design their own?</p>
<p><b>Design &amp; Technology</b></p> 	<p>We will look at lever and linkages in our mechanisms unit. They will look at how a range of mechanisms create movement and understand how to make them. Afterwards they will design a product following a set of criteria for the user. Finally they will create and test their product before evaluating it.</p>	<p>Are there any everyday objects in your home which have flaps, sliders or levers?</p>
<p><b>RE</b></p> 	<p>This term, Year 4 will explore the Hinduism faith and use the knowledge they have gained to answer the following questions: What do Hindus believe God is like? What does it mean to be a Hindu in Britain today?</p>	

<p><b>PE</b></p> 	<p>In rounders, the children will learn how to hit the ball in different directions, run between posts to avoid getting stumped out. They will learn how to intercept the ball using one hand and bowl underarm. Finally they will know the role of the backstop and use the scoring system.</p> <p>Football is with our new coach, Mr Arnell. He will teach us how to run to the ball to receive it, mark a player, perform a standing tackle, pass and receive a ball from longer distances and pass accurately whilst moving.</p> <p>After half term, the children will attend swimming lessons at the Dolphin Centre to work towards the end of KS2 expectations. This includes: swimming competently, confidently and proficiently over a distance of at least 25 meters; using front crawl, backstroke and breaststroke; perform a safe self-rescue in different water-based situations.</p> <p>In Autumn 2 the children will do tag rugby with Mr Arnell. He will teach the children to make accurate passes to team members, pick the ball up from the floor and run with it, keep possession of the ball, evade being tagged and change running speed to create gaps to run into.</p>	<p>Please ensure that your child remembers to bring their water bottle every Wednesday. We will be outside in all weathers (within reason) so warm tracksuit, waterproof, hat and gloves are also needed as we head into winter. Piercings must be removed or covered up before coming into school.</p> <p>Get some extra swimming practise to practise swimming longer distances using a range of strokes.</p>
<p><b>PSHE</b></p> 	<p>In PSHE, we will be looking at how we can have positive relationships. Whether these are with friends or other people we can talk about. We will learn about professional relationships which will be the people we work with, including teachers. We look at our responsibilities to be kind and respectful towards others' beliefs and explore how what we say and do can make people feel better or worse. The children will understand what consent means, how to set their boundaries and address uncomfortable situations. Lastly, we will learn that we can resolve differences positively and respectfully.</p>	
<p><b>Music</b></p> 	<p>In music, Year 4 will be developing their singing skills by learning songs using contrasting melodies. They will explore songs with this feature from a range of genres, and discuss how it changes the mood of the song. They will finalise this unit by learning and performing a pop song. Throughout the term, they will participate in singing assemblies, which focus on different musical skills.</p>	
<p><b>Computing</b></p> 	<p>Using Purple Mash, Year 4 will learn how to create a playable game in their coding unit. In their online safety unit, the children will learn what the terms 'phishing' and 'plagiarism' mean and be aware of the effects of installing malware on computers. They will also take more ownership of how they use their free time regarding active and digital activities. Before Christmas, the children will become more familiar using and interpreting spreadsheets and using Excel-style documents to create charts.</p>	<p>Encourage your child to be safe when online – can they tell you what the rules are?</p>

<p><b>French</b></p> 	<p>We will start our French this year by finding out which other countries have French as an official language. The children will recap classroom instructions and phrases learnt last year and learn new ones. They will continue to ask and answer questions about themselves, such as their name, age how they are feeling and will learn how to introduce and talk about members of their immediate family. The children will also learn how to count on to 100 and develop their understanding of the alphabet. As we approach the end of term, the children will learn some vocabulary related to Christmas and will learn to sing a French Christmas carol.</p>	<p>Encourage your child to practise their French at home by teaching you! There are lots of French games and activities on the BBC website <a href="http://www.bbc.co.uk/bitesize">www.bbc.co.uk/bitesize</a></p>
<p><b>Trips, Experiences and Enrichment</b></p> 	<p>River Labs – River Tees Visit (Geography) (TBC) Robinwood Hindu Cultural Society – Middlesbrough Pantomime</p>	

Within school we have 6 values: **Kindness, Respect, Resilience, Fairness, Teamwork** and **Ambition**.  
These are interwoven through our curriculum and everyday practice.