


Curriculum Overview for Parents and Carers

Year 5

Summer 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>English</p> 	<p>During the first half of the summer term, the children will be writing a discussion and a comparative non-chronological report, using texts that they have read during 'We Love to Read Time' sessions and whole class reading sessions to aid their writing. The class's first novel this term will be 'The Explorer' by Katherine Rundell – an exciting story about four children who crash-land in the Amazon rainforest, encountering a mysterious explorer and a lost city.</p> <p>The children will use this novel during the final half term to write a survival guide and their own narrative with a flashback. The final novel the class will read in Year 5 will be 'Wonder' by R.J. Palacio. This inspiring story follows ten-year-old Auggie, who has significant facial differences, as he navigates his first year of mainstream school after being home-schooled. It will give the children lots of opportunities to discuss the themes of acceptance, kindness and overcoming prejudice.</p>	<p>Children should be reading at least three times a week at home. Encourage your child to read a wide range of age-appropriate books to work on developing their vocabulary and understanding. Talk about words they are unfamiliar with and try to use them in a range of contexts.</p> <p>As children get older, they like to read independently. However, we would really encourage you to ask your child to read aloud to someone at least once a week to help with their fluency and prosody.</p> <p>Ask your child about the class novel – are they enjoying the book? Who is their favourite character and why? What do they think is going to happen next?</p>

Maths



Calculating with Decimal Fractions

Multiplying numbers with decimals by 10, 100 and 1000 using moving digits. Converting metric units. Short division using decimal dividends and solving word problems involving decimal numbers.

Factors, Multiples, Primes, Squares Cubes and Area: Investigating multiples, common multiples, square numbers, factors, common factors, prime numbers and cube numbers; commutativity and multiplying three numbers; volume of cubes and cuboids.

Fractions: Multiplying fractions, non-unit fractions of amounts, equivalent fractions, common fractions, decimal equivalence and solving money problems using fractions of amounts.

Angles: Classifying, measuring and drawing right, acute and obtuse angles, identifying, classifying and drawing 2D shapes, constructing 3D shapes and exploring 3D nets.

Time: Converting 12 hour time into 24 hour time, calculating time durations, solving problems using timetables.

It is vital that the children continue to be confident with their times tables and know them all off by heart. Please encourage them to keep practising at home – TT Rockstars is a fun way to keep times tables fresh!

For their half-termly fact fluency tests, your child also needs to know by heart number bonds to 20

$$\text{e.g. } 13 + 7 = 20$$

$$8 + 7 = 15$$

$$20 - 6 = 14$$

One Minute Maths (White Rose) is a fantastic, free, user-friendly app they can use to practise these facts.

It is vital that children can read an analogue and digital clock. Please encourage them to tell you at home and when out and about what time it is at various points of the day by reading analogue clocks. Encourage them to calculate time durations of activities e.g. if we went to the Dolphin Centre at quarter past 2 and came out at quarter to 4, how long were we in for? Encourage a variety of answers – 1 hour 30 minutes/1 and a half hours/90 minutes.

Can your child name the parts of a flowering plant to you? Ask your child to explain what pollination is to you and how flowering plants reproduce.

Can your child explain the laws of gravity to you? Maybe they could show you using objects or a diagram. They could look at moving objects at home and explain the forces that are acting on it.

Science



Life cycles of plants:






During the summer term, Year 5 will be learning about life cycles of plants. The children will learn the different parts of a flower and the role they play in the reproduction of plants, they will explore pollination in flowering plants.

Forces:

This forces topic will extend the children's knowledge and understanding of gravity. The children will work on identifying the effects of air resistance, water resistance and friction. They will also develop their understanding of how force and motion can be transferred through mechanical devices such as gears, pulleys and levers.

The class will use their skills in working scientifically to make observations, predictions and research.

<p>History</p> 	<p>This term, Year 5 will be completing a unit of work exploring ‘When did the Early Islamic civilisation begin and how enormous did it become?’ and ‘Why was Baghdad a significant settlement?’. The children will learn about Muhammad and what happened after his death. The children will explore the importance of trade and how it enriched the lives in Baghdad, understanding that Baghdad was a major hub on the Silk Roads, facilitating trade between Asia, Africa and Europe. They will learn how Early Islamic scholars contributed to many different fields, through their innovation, translation and investigation. Some areas include mathematics, engineering, astronomy and medicine.</p>	<p>Can your child tell you any facts about the Early Islamic civilisation? Can they make any links between the different civilisations we have studied this year?</p>
<p>Geography</p> 	<p>This term’s geography topic is ‘What is special about the rainforests?’. The class will be exploring what a rainforest is and how tropical rainforest biomes are different to local temperate forest biomes. A focus will be on the Amazon Rainforest, learning about where it is located and why this rainforest is so important. The children will explore what deforestation is and questioning if humans are doing enough to tackle it.</p>	<p>Can your child tell you any facts they have learnt about rainforests, especially the Amazon Rainforest? Can your child locate the Amazon Rainforest?</p>
<p>Art & Design</p> 	<p>This term’s Art and Design topic is ‘Collage: Express Yourself’. The children will be learning about mixed media art and working towards creating a collage which represents themselves in some way. They will learn why artists use colour to suggest mood and how collage and drawing/painting can be combined. The children will then experiment with a variety of materials, tools and techniques before designing and creating their own mixed media piece.</p>	<p>If you visit a museum or gallery, the children could identify pieces of work where the artist is expressing themselves. They could also create their own piece of expressive artwork.</p>
<p>Design & Technology</p> 	<p>This term’s Design and Technology project is ‘Sewing: Bags’. The children will make a bag decorated with applique or embroidery with a plaited handle for use at home. The children will research and investigate methods of decoration, design their product from set criteria and make their product using different techniques. Finally, they will evaluate their product.</p>	<p>Maybe your child could design and make their own product based on what they have learnt at school?</p>
<p>RE</p> 	<p>The first RE unit Year 5 will be covering during the spring term answers the question ‘What is the best way for a Hindu to show commitment to God?’. The children will explore how commitment can be demonstrated in different ways. They will learn how Hindus worship and show devotion to the Gods and Goddesses including how a pilgrimage to the Ganges shows commitment.</p> <p>The second RE unit for the spring term answers the question ‘What is the best way for a Christian to show commitment to God?’. During the topic children will continue to learn how commitment can be demonstrated in many ways. They will explore how the 10 Commandments, Jesus’ teaching of ‘love your neighbour as yourself’ and how prayer and worship help Christians show commitment to God.</p>	<p>Can your child tell you and facts about Hinduism? Ask your child to explain the ways in which Hindus show their commitment.</p> <p>Can your child tell you and facts about Christianity? Ask your child to explain the ways in which Christians show their commitment.</p>

<p>PE</p> 	<p>This term, the children will be developing their athletic skills, which will lead up to Sports Day. They will also be improving their ball and competitive game skills with our units on cricket and basketball. The children will also participate in a unit of outdoor and adventurous activities, where they will learn a variety of communication, navigation, and teamwork skills.</p>	<p>Please ensure that your child remembers to bring their PE kit and a water bottle every Thursday. We will be outside in all weathers (within reason) so appropriate clothing is essential. On some days, your child may need to wear sun cream to school.</p>
<p>PSHE</p> 	<p>The first topic in PSHE will be 'How does finance impact on people's lives?'. The children will explore what finance means and how we can earn money. They will learn about managing money, including spending, saving and how to make sensible decisions surrounding money understanding how companies and other people's behaviour can persuade and/or influence how we spend our money.</p> <p>The second PSHE topic in the spring term will be addressing the topic of 'How can we keep ourselves safe as we become more independent?'. The children will learn how to identify risks and hazards as they are becoming more independent and how to manage them to keep themselves safe. They will also learn what anti-social behaviour is and the effects and consequences of it.</p>	<p>Support your child at home by providing a safe and supportive space for them to talk openly about anything we discuss in PSHE, which they may wish to talk about with you.</p>
<p>Music</p> 	<p>This term, the children will continue to develop their skills in reading music and playing brass instruments. This will be led by the Durham Music Service. They will be listening carefully to each other's performances and offering helpful feedback. Once a week, the children will be part of a singing assembly where they will learn about the dimensions and genres of music, and learn songs from different genres, and songs linked to our school values.</p>	<p>Discuss music with your child when you listen to it, asking about what they can hear. Ask your child to share our songs with you and enjoy them together.</p>
<p>Computing</p> 	<p>This term in computing lessons, the children will complete the topics 'Micro:bit' and 'Word Processing'.</p> <p>During the unit on Micro:bit, children will use of the temperature sensor and pins on the micro:bit as well as sensors and inputs covered in the previous year's micro:bits unit. Children will explore the use of variables, If Statements and events in their code to make meaningful projects.</p> <p>During the word processing unit, the children will explore how to edit, format and create their own documents.</p>	<p>Children will be able to access Purple Mash at home and can try out some of their new skills when they are set for them as a 2Do. They could also practise typing on Microsoft Word.</p> <p>Continue to talk to them about online safety, encouraging open conversations about what they access online.</p>
<p>Spanish</p> 	<p>During the La Fruta (Fruits) unit, the children will learn to recognise, recall, remember and spell ten fruits and they will be introduced to and be able to give simple opinions 'I like' and 'I do not like'.</p> <p>During the Las Verduras (Vegetables) unit, the children will learn 10 common vegetables in their plural form. They will learn the basic language required take part in a role-play activity based on buying different quantities of vegetables from a market stall.</p>	<p>Can your child tell you any of the new words or phrases that they have been learning in Spanish? Why not sign up to Duolingo to help your child practise Spanish at home? https://www.duolingo.com/</p>

**Trips,
Experiences and
Enrichment**



- Oriental Museum in Durham – Early Islamic Civilisation (history)

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