

Year 5 Curriculum Information – Autumn Term 2 2022

English	Maths	Science	Other curriculum areas
<p>Reading: We will be developing reading fluency and expression, comprehension, inference and deduction skills and backing up opinions with evidence from a variety of high-quality text styles. Much of our learning will be based around the following texts: Shackleton’s Journey (fiction); and Digital Poet and Picture a Poet (poetry).</p> <p>These skills are developed further by weekly guided reading sessions, where children are supported in smaller groups with their teacher. Children are expected to read at home daily and parents are encouraged to hear their children and discuss what has been read, signing their child’s reading records. Through the above, we aim to develop each child’s love of reading, whilst exposing them to a range of reading genres.</p>	<p>Key maths concepts, arithmetic and reasoning skills are developed throughout all maths lessons. White Rose resources are used to support progression.</p> <p>Children are also expected to continue to develop their recall and application of times tables (up to x12). Half-termy maths challenges and regular times table practice using Times Tables Rock Stars are used to reinforce maths fluency.</p> <p>This half term, in year 5, children will cover:</p> <p>Multiplication and division:</p> <ul style="list-style-type: none"> • Multiplying and dividing numbers by 10, 100 and 1000 (and by multiples of 10, 100 and 1000) <p>Fractions:</p> <ul style="list-style-type: none"> • Identifying equivalent fractions • Identifying and writing fractions greater than 1 • Converting mixed numbers to improper fractions and vice versa • Comparing and ordering fractions including improper fractions and mixed numbers • Adding and subtracting fractions and mixed numbers 	<p>Scientific skills and concepts are embedded and developed in all science lessons and through a range of enquiry types.</p> <p>Children will also explore the following:</p> <p>Materials and their properties (chemistry): Changes of materials</p> <ul style="list-style-type: none"> • Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets • Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution • Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating • Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic • Demonstrate that dissolving, mixing and changes of state are reversible changes • Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda 	<p>Computing:</p> <ul style="list-style-type: none"> • Introduction to Scratch • Developing existing coding skills and learning how to transfer them from 1 platform to another. <p>Design and technology:</p> <ul style="list-style-type: none"> • Planning, designing, making and evaluating soup recipes <p>Geography – Mountains, volcanoes and earthquakes:</p> <ul style="list-style-type: none"> • Understanding how mountains and volcanoes are formed and why earthquakes happen • Describing key features of mountains and volcanoes • Understanding the impact of volcanoes and earthquakes on people and on the landscape <p>Music: Deck the halls:</p> <ul style="list-style-type: none"> • Focus: listening and composing <p>Physical Education (PE):</p> <ul style="list-style-type: none"> • Focus: invasion games - hockey, tag rugby, football Indoor PE: basketball <p>PSHE: Relationships:</p> <ul style="list-style-type: none"> • Families and friendships • Safe relationships • Respecting ourselves and others <p>Religion and Worldviews (RW):</p> <ul style="list-style-type: none"> • Looking at how the work of different charities affects people around the world. • Fairtrade • Children in Need <p>Spanish:</p> <ul style="list-style-type: none"> • Cardinal and ordinal numbers • Questions (What, who, where, which, how, when, why) • Grammar: like and dislike • Identifying food items with definite and indefinite articles
<p>Writing: Our writing curriculum will focus on:</p> <ul style="list-style-type: none"> • Engaging with a wide range of high-quality texts to support and develop writing across a variety of genres • Planning, drafting, writing, evaluating and editing • Writing legibly, fluently, with increasing speed <p>Main writing outcomes include:</p> <ul style="list-style-type: none"> • Fiction: diary writing/ letter writing • Non-fiction: Historical recount of Shackleton’s journey • Poetry: Reading and writing different styles of poetry 			
<p>Grammar and punctuation: Spelling Shed’s SPAG scheme is used to support learning in school and at home, with specific focus for the year on the following:</p> <p>Sentence structure:</p> <ul style="list-style-type: none"> • Modal verb • Clauses and phrases <p>Text structure:</p> <ul style="list-style-type: none"> • Devices to build cohesion within a paragraph • Linking ideas across paragraphs using adverbials of time, place and tense choice <p>Punctuation:</p> <ul style="list-style-type: none"> • Brackets, dashes • Use of commas to clarify meaning or avoid ambiguity 			
<p>Spelling: Children are taught spelling through the Spelling Shed scheme, with on-line home learning tasks being given weekly.</p>			
<p>What parents can do at home to help:</p> <ul style="list-style-type: none"> • Check your child completes the weekly home learning tasks set by the class teacher. • Listen to your child read daily and update their Reading Record. • Remind your child to learn and practise their spellings regularly and to use Spelling Shed’s on-line games to help practise tricky words too. • Look out for the half-termy maths challenges and practise those skills regularly too. • Help develop your child’s fluency in their times tables up to 12x and associated division facts). Use Times Tables Rock Stars regularly for support. 	<p>Links to support learning and wellbeing: Please ensure your child accesses all their school on-line learning accounts from home regularly. Any technical issues, please contact ICT@trafalgarfederation.org.uk and for curriculum issues, contact your child’s class teacher directly, using their specific class name, to classname@trafalgarfederation.org.uk.</p> <ul style="list-style-type: none"> • E-school: J2e • Maths: Times Tables Rock Stars • English: Spelling Shed • General: BBC Bitesize • Wellbeing: Access the Wellbeing tile through E-school for various resources 		<p>Trips, visits and dates for your diary:</p> <ul style="list-style-type: none"> • INSET day: Monday 31st October 2022 • N.B. School starts back after half term on Tuesday 1st November 2022 • End of autumn term: Friday 16th December 2022 • Start of spring term: Wednesday 4th January 2023