

Elmwood Junior School
Year 4 Curriculum
Spring 2022

	WORK COVERED	HOW TO HELP YOUR CHILD AT HOME	Please discuss this vocabulary with your child
MATHS	<p><u>Number & Place Value</u></p> <p>Place Value: Developing a robust understanding of place value in larger whole numbers and in decimals</p> <p>Subtraction & Addition: Development of mental calculation strategies for addition and subtraction, addition of decimal numbers, and on mental subtraction of decimal numbers.</p> <p>Multiplication & Division: Development of mental calculation strategies for multiplication and division. Development of written methods for multiplication and division; division is linked to finding fractions of large amounts.</p> <p><u>Decimals, Fractions and Percentages:</u></p> <p>Revising proper fractions and equivalent fractions, and then moves on to mixed numbers and improper fractions</p> <p><u>Geometry 2D Shapes</u></p> <p>Measures & Angles: Naming and identifying the different types of triangles. Developing understanding of polygons and angles, particularly in relation to quadrilaterals.</p>	<p>Use Maths in real life problem solving, e.g. shopping, using decimals such as pounds, pennies, measuring in g, kg, cm and M and time (am, pm and 24 hour).</p> <p>Weekly revision of multiplication tables. Please test and support your child regularly on the times tables to help them learn them up to the 12x tables. <i>I have attached a times table test to practise at home.</i></p> <p>Please refer to the school calculation policy saved on the school website. http://www.elmwood-jun.croydon.sch.uk/wp-content/uploads/2012/11/Calculation-s-Policy-2017.pdf</p>  <p>Mathletics is a fantastic resource that the children can access at home. It has a range of activities that can improve your child's times tables, arithmetic and problem solving skills. Each child has their own individual log-in. They can also achieve rewards when they complete activities and play live. http://uk.mathletics.com/</p>  <p>Mirodo is another fantastic online resource that the children can access at home. It has a range of activities that can help your child develop their mathematical</p>	<p>fraction quarter half</p> <p>equilateral isosceles right-angle scalene</p> <p>square oblong rectangle parallelogram rhombus trapezium pentagon 5 hexagon 6 heptagon 7 octagon 8 nonagon 9 decagon 10</p> <p>cube cuboid pyramid square based pyramid prism cylinder cone sphere</p>

		<p>knowledge to work towards the expected standard for Year 4.</p> <p>Times tables: Time tables rock stars: https://trockstars.com/</p>  <p>https://student.freckle.com/#/login</p> 	
<p>ENGLISH</p>	<p><u>Comprehension</u> Reading a variety of fiction, poetry and non-fiction looking at distinctive features and developing skills of comprehension.</p> <p><u>Writing</u> To make notes and use for own writing using paragraphing and organisational devices such as sub-headings and numbering. To write with particular audiences in mind.</p> <p><u>Grammar and Punctuation</u> Adjectives, adverbs, nouns. Use of apostrophe, commas and full stops.</p> <p><u>Spelling and Vocabulary</u> Encourage good spelling by: Use of word banks and dictionaries; recognising similar sounds, e.g. fright, night. Breaking words into syllables. Building from other words with similar patterns and meanings, e.g. medical, medicine. Practise new spellings using LOOK, COVER, WRITE, and CHECK. Suffixes.</p>	<p>A reading book should be brought home every day. Please read and discuss the text with your child for approximately 20 minutes and sign the contact book daily.</p> <p>Encourage children to extract the main idea from a passage in a book and tell you about it in their own words.</p> <p>Encourage children to talk about the book they are reading - can they predict events.</p> <p>Write a book review.</p> <p>Help your child to use an index and contents page.</p> <p>Spellings brought home weekly. Read a suitable newspaper article and identify the main features.</p>  <p>Similar to Mathletics, Readiwriter is a great online resource that allows the children to develop their spellings through a range of activities and games. To log-in, your child needs to use the same username and password as they do for Mathletics.</p>	<p>weekly spellings</p> <p>noun verb adjective conjunction clause opener</p>

		 <p>Mirodo is a great resource for developing your child's reading comprehension skills. Mirodo's smart marking tool means the pitch of the comprehension questions are adapted to ensure your child is challenged appropriately.</p>	
<p>Geography</p>	<p><u>Volcanoes</u> Learning where volcanoes are, how volcanoes are formed, what the inside of a volcano looks like, the difference between magma and lava, what happens after an eruption and how do volcanoes affect people who live there?</p>	<p>Discuss the four layers of the Earth and how the Earth's top layer is always moving. Use an atlas to find some volcanoes in different parts of the world. Think about how a volcano may affect the people living close to it. How might their lives be different to ours because of the volcano? http://www.bbc.co.uk/science/earth/natural_disasters/volcano</p>	<p>tectonic plates active dormant extinct cone shield ring of fire magma lava Pompeii fertile Mount Etna</p>
	<p><u>History</u> Focusing on Greek life and achievements and their influence on the western world.</p>	<p>Learn significant aspects of the history of the wider world including the nature of ancient civilisations.</p>	<p>Indus artefact Ancient Greek civilisation</p>
	<p><u>Geography/ History Week</u> The Ancient Greek civilisation, learning about who they were and how they lived. What do artefacts tell us about their daily life?</p>	<p>http://www.primaryhomeworkhelp.co.uk/mountains/glossary.html http://www.bbc.co.uk/education/topics/zxn3r82</p>	
<p>COMPUTING</p>	<p>Creating Media – Audio Editing Examining devices capable of recording digital audio, including identifying the input device (microphone) and output devices (speaker or headphones). Discussing the ownership and copyright. Students will record audio to create and edit a podcast.</p>	<p>Practice audio recordings at home on the phone or computer so your child can listen back and to see how they can improve their recordings. Listen to age appropriate podcasts and recognizing the ownership of these recordings.</p>	<p>Digital audio Record Input Output Ownership Copyright Editing</p>
<p>ONLINE SAFETY</p>	<p>Children will develop an awareness of relevant safety issues and understand that personal information is unique to them. This is taught through the use of Google Be internet Legends and the 5 pillars. The children will explore a range of age-appropriate digital resources and know that not</p>	<p>Encourage your children to explore the internet safely. Discuss the 5 pillars of Online Safety.</p> 	<p>Safety Website Online Personal Information Passwords Digital Resources Cyber-bullying</p>

	<p>everything they find online is accurate.</p> <p>Children will know that some websites contain advertisements (often embedded) and will learn how to ignore them.</p> <p>Internet Safety Day</p> <p>This day will be used to explore issues of online safety with the children using resources from the UK Safer Internet Centre.</p>	<p>Use Interland at home.</p> <p>https://beinternetawesome.withgoogle.com/en_us/interland</p>	
ART	<p><u>Art</u></p> <p>Artist Focus: Pupils will take a deep dive into the world of architecture and the artist Stephen Wiltshire. Pupils will also discover Georgia O’keeffe and her modern artistic styles.</p> <p>Art Technique: Pupils will apply colourful collage work when completing a Greek vase and leaf print paintings.</p>	<p>Encourage your child to sketch in a sketch book.</p> <p>Ask children to look at different architecture seen throughout Croydon and express their opinions on the topic.</p> <p>Encourage your child to ask the why and how behind different electrical appliances and mechanical systems.</p>	<p>Collage texture tone structures design criteria power source mechanism landscape</p>
DT	<p>Mechanical Systems: Making a slingshot car</p> <p>Using a range of materials, design and make a car with a working slingshot mechanism and house the mechanism using a range of nets.</p> <p>Electrical Systems: Torches</p> <p>Electrical Systems: Identify the difference between electrical and electronic products. Evaluate a range of existing torches and their features, then develop a new functional torch design.</p>	<p>Discuss with your child how car designs have developed over time. Discuss shapes that increase or decrease the speed of the car as a result of air resistance.</p> <p>Encourage your child to identify electrical products and identify common appliances that run on electricity.</p>	<p>Design Torch Slingshot Mechanism Electrical</p>
SCIENCE	<p>States of matter</p> <ul style="list-style-type: none"> • Properties of Solids, Liquids and Gases • Freezing and Melting • Water Vapour and Gases • Adding Solids to Water • Separating Solids and Liquids <p>Living things and their Habitats</p> <ul style="list-style-type: none"> • Grouping and Sorting Plants and Animals • Identifying Plants and Animals using ‘key’ diagrams • Food Chains 	<p>Observe every-day occurrences, e.g.</p> <ul style="list-style-type: none"> - water (and other substances) freezing and melting; - water (and other substances) boiling and evaporating to steam, especially during cooking - condensation (e.g. on mirrors or windows) <p>Discuss the changing state of materials and why the changes may be happening.</p> <p>www.bbc.co.uk/schools/scienceclips/ages/8_9/solid_liquids.shtml</p>	<p>solid liquid gas (gases) particles temperature melt freeze boil evaporate condense separate</p> <p>plants animals</p>

	<ul style="list-style-type: none"> Changes to Habitats and Environments 	<p>Encourage observation of gardens, parks, etc. looking for similarities and differences between various plants and animals.</p> <p>Discuss possible human effects on the environment, e.g. littering, etc.</p> <p>www.bbc.co.uk/schools/scienceclips/ages/8_9/habitats.shtml</p>	<p>identify key habitat environment food chain predator prey producer</p>
RE	<p><u>Hinduism</u></p> <p>Pupils learn about the Creation Story, Rama and Sita, and Mandirs (Places of Worship).</p> <p><u>Challenging Stereotypes and Discrimination</u></p> <p>Pupils learn to challenge stereotypes of and discrimination against cultures, religions and genders.</p> <p><u>Bridge-Builders</u></p> <p>Pupils learn about how to practise and facilitate forgiveness.</p>	<p>Talk at home about:</p> <ul style="list-style-type: none"> - Creation stories and places of worships - Respecting other cultures - Your own beliefs - Forgiveness <p>Please visit: http://www.bbc.co.uk/schools/websites/4_11/topic/re.shtml</p>	<p>religion Hinduism temples creation beliefs tolerance respect differences understanding</p> <p>sharing forgiveness courage celebrating culture</p>
MUSIC	<p><u>SoundStart</u></p> <p>(in Windband, Ukulele, Recorder or Strings groups)</p> <p>Pupils continue to develop instrumental skills including:</p> <ul style="list-style-type: none"> - New notes - Increased control when playing - Notation reading 	<p>Listen to various pieces of music.</p> <p>Encourage children to practise their instruments.</p>	<p>musical vocabulary A-Z</p>
SPANISH	<p>To be able to count from 1 to 31</p> <p>To learn about the days of the week and months of the year.</p> <p>To be able to say theirs and others birthdays. (Happy Birthday song)</p> <p>To be able to express the date in Spanish.</p>	<p>Encourage your child to explain any new vocabulary learnt. Seeing if they can use these words and phrases around the home.</p> <p>www.primaryresources.co.uk – Spanish section.</p> <p>BBC KS2 – Spanish</p>	<p>¡ Feliz cumpleaños! - Happy birthday,</p> <p>¿Qué día es? What day is it ?, Lunes -Monday, Martes – Tuesday, Miércoles- Wednesday, Jueves – Thursday, Viernes - Friday</p> <p>Sábado – Saturday, Domingo- Sunday.</p>
	<p>Jigsaw Dreams and Goals</p> <p>The theme offers children the opportunity to discuss challenges</p>	<p>Discuss with your children at home the range of different feelings and emotions someone can have.</p>	<p>dream hope goal determination</p>

<p>PSHE</p>	<p>and how they can be overcome, talk about their dreams, set some goals and be able to discuss how having a positive attitude contributes to a greater chance of success.</p> <p>Throughout the theme children explore feelings of happiness and excitement, sadness, anxiety and fearfulness, while learning how to handle disappointment, cope with these feelings and set new plans to avoid similar obstacles.</p>	<p>Talk about dreams and goals. Set some goals for the end of term with your child and discuss how they can achieve them.</p>	<p>perseverance resilience positive attitude disappointment fears self-belief motivation strengths</p>
<p>P.E.</p>	<p>Games: Improving and practising invasion games.</p> <p>Indoor PE Dynamic and Counter Balance</p> <p>Dynamic Balance to Agility: Jumping & Landing</p> <p>Real PE (indoor) is a unique, child-centred approach that transforms how we teach PE to engage and challenge every child. Real PE focuses on the development of agility, balance and coordination, healthy competition and cooperative learning.</p>	<p>Becoming more active at home, e.g. skipping for a given amount of time such as 2 minutes and increasing this time without stopping, timed sprints in the park.</p> <p>Encourage your child to play active games with roles and responsibilities with their family and/or friends.</p> <p>Please make sure your child has their PE kit in school, labelled with their name.</p> <p>Opportunities to go swimming outside of school.</p>	<p>balance agility coordination</p>

All children can use their logins to access these sites at home:



Please also visit:

<http://www.elmwood-jun.croydon.sch.uk/learning-zone/>