

CURRICULUM MAP - YEAR 4 Spring
MAIN FOCUS – 1) Science: States of matter
2) Geography: Volcanoes

	WORK COVERED	HOW TO HELP YOUR CHILD AT HOME	Please discuss this vocabulary with your child
MATHS	<p><u>Number</u></p> <p>Times Tables up to 12 x 12</p> <p>Understanding the four operations and using the column method for + and -, the grid method and blank number lines for x and the 'bus-stop' method and blank number lines for ÷ .</p> <p>Round numbers less than 1000 to the nearest 10 or 100.</p> <p>Use fraction notation correctly. Relate fractions to division. Know that: $\frac{1}{2} = .5$ $\frac{1}{4} = .25$ $\frac{3}{4} = 0.75$ and, for example: $10/10 = 1$</p> <p>Number sequences including use of negative numbers. Solve number puzzles.</p> <p><u>Calculations</u></p> <p>Extend understanding of + - x ÷ . Rapid recall of addition and subtraction facts and tables.</p> <p><u>Solving Problems</u></p> <p>Solve problems including money and measures which require more than one step. Making decisions about which method, operation or equipment is needed. Checking results.</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/Calculations-Policy-2017.pdf</p> <div style="text-align: center;">  </div> <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> <div style="text-align: center;">  </div> <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 knowledge to work towards the expected standard for Year 4.</p>	<p style="text-align: center;">fraction quarter half</p> <p style="text-align: center;">equilateral isosceles right-angle scalene</p> <p style="text-align: center;">square oblong rectangle parallelogram rhombus trapezium pentagon 5 hexagon 6 heptagon 7 octagon 8 nonagon 9 decagon 10</p> <p style="text-align: center;">cube cuboid pyramid square based pyramid prism cylinder cone sphere</p>

<p style="text-align: center;">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.</p> <p>Read a suitable newspaper article and identify the main features.</p> <div style="text-align: center;">  </div> <p>Similar to Mathletics, Spellodrome 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. http://uk.spellodrome.com</p> <div style="text-align: center;">  </div> <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>weekly spellings</p> <p>noun verb adjective conjunction clause opener</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?</p>	<p>tectonic plates active dormant extinct cone shield ring of fire magma lava Pompeii</p>

	<p><u>Geography/ History Week</u></p> <p>The Indus valley civilisation, learning about who they were and how they lived. What do artefacts tell us about their daily life?</p>	<p>http://www.bbc.co.uk/science/earth/natural_disasters/volcano</p> <p>http://www.primaryhomeworkhelp.co.uk/mountains/glossary.html</p> <p>http://www.bbc.co.uk/education/topics/zxn3r82</p>	<p>fertile Mount Etna</p> <p>Indus artefact Bronze age civilisation</p>
<p>COMPUTING & SAFETY ONLINE</p>	<p><u>Finding things out</u></p> <p>To learn about what a 'Wiki' is and evaluate accuracy of information online and on websites.</p> <p>To create own Wiki (collaboratively) and edit to improve.</p> <p>To learn how to search safely on the internet and what information is not safe to share.</p>	<p>This is an example of an online 'Wiki':</p> <p>http://www.wikipedia.org/</p>	<p>Wiki accurate website collaborative</p>
<p>ART/DT</p>	<p><u>Serve a Salad</u></p> <p>Pupils learn about different types of salads and ingredients used in salads around the world. Pupils will learn about healthy eating and practise using food preparation skills, including the bridge hold and claw grip, safely and hygienically. Pupils will design and make a salad suitable for lunch.</p>	<p>Ask children to look at the different prepared salads on offer at supermarkets. Discuss and look for ingredients that can go in a salad in order for it to be a balanced and healthy meal.</p> <p>Research salad recipes on the computer or in cook books.</p>	<p>ingredients produce recipe diet design criteria nutrition</p>
<p>SCIENCE</p>	<p><u>States of matter</u></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><u>Living things and their Habitats</u></p> <ul style="list-style-type: none"> • Grouping and Sorting Plants and Animals • Identifying Plants and Animals using 'key' diagrams • Food Chains • Changes to Habitats and Environments 	<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>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>solid liquid gas (gases) particles temperature melt freeze boil evaporate condense separate</p> <p>plants animals identify key habitat environment food chain predator prey producer religion</p>
	<p><u>Hinduism</u></p>	<p>Talk at home about:</p>	<p>religion</p>

<p>RE</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>	<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>Hinduism temples creation beliefs tolerance respect differences understanding</p> <p>sharing forgiveness courage celebrating culture</p>
<p>MUSIC</p>	<p><u>SoundStart</u></p> <p>(in Windband, Ukuele, 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>
<p>SPANISH</p>	<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>PSHE</p>	<p>DOT COM- Dot Com will help children develop the knowledge and confidence they need to make good decisions in life, especially about their own safety. It develops self-worth and values to ensure they reach their full potential.</p>	<ul style="list-style-type: none"> - Discuss the main emotions that people of their age feel and to understand simple ways to deal with them. - Discuss how their behaviours can have both negative and positive impacts on their lives and the lives of others. 	<p>mood anger fear truth honesty worry perseverance ups and downs conflict</p>
	<p>Games: Improving and practising invasion games.</p> <p>Real PE (indoor) is a unique,</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</p>	<p>balance agility coordination</p>

<p>P.E.</p>	<p>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>Swimming- each class will have 9 sessions in the year.</p>	<p>sprints in the park.</p> <p>Opportunities to go swimming outside of school.</p>	
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All children can use their logins to access these sites at home:



Please also visit:

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