



## Year 4 Medium Term Plan Spring 1

	Science	Humanities	RE	Computing
Theme	<p>Theme: Animals including Humans-Digestive system</p> <p><b>Key Knowledge:</b> Describe the simple functions of the basic parts of the digestive system in humans. Identify the different types of teeth in humans and their simple functions. Construct and interpret a variety of food chains, identifying producers, predators and prey.</p> <p><b>Key skills:</b> Ask relevant questions and use different types of scientific enquiries to answer them.</p> <p>Use straightforward scientific evidence to answer questions or to support findings. Set up simple practical enquiries and comparative and fair tests. Identify differences, similarities or changes related to simple scientific ideas and processes. Use scientific evidence to answer questions or to support findings. Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions</p> <p>Enrichment: Trips: Visitors:</p>	<p>Theme: Earthquakes</p> <p><b>Key skills</b></p> <ul style="list-style-type: none"> <li>Describe and understand key physical aspects of earthquakes and human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water</li> <li>Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied</li> </ul> <p><b>Key knowledge:</b></p> <ul style="list-style-type: none"> <li>Locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities</li> </ul> <p>Enrichment: Books and artefacts Trips: Natural History Museum in Summer 2 Visitors: Someone who has experienced an earthquake- interview?</p>	<p><b>TOPIC - Buddhism - 8 fold path</b></p> <p>Key skills</p> <ul style="list-style-type: none"> <li>I can recall facts about religions I have studied.</li> <li>I can select the facts that are most significant to the enquiry and start to explain their relevance / importance.</li> </ul> <p>Key knowledge</p> <ul style="list-style-type: none"> <li>3 universal truths</li> <li>Suffering</li> <li>Buddha's teaching</li> <li>8 fold path - Right Speech</li> </ul> <p>Enrichment: Use Buddhist artefacts from Humanities cupboard. Trips: Buddhist temple Visitors: Buddhist?</p>	<p>Unit 4.3 Spreadsheets</p> <p>Key skills:</p> <ul style="list-style-type: none"> <li>Pupils will use 2Calculate to design a graph to solve a mathematical problem</li> <li>Pupils will present, format and analyse their data and information in a variety of ways and use their spreadsheets to solve and check mathematical problems and concepts</li> <li>can use spreadsheets to collate data and extract information from it to answer questions e.g. pupils can create line graphs and can use it to identify when something will happen using 2Calculate</li> </ul> <p>Key knowledge:</p> <ul style="list-style-type: none"> <li>Pupils know how to use the number formatting tools within 2Calculate to appropriately format numbers</li> <li>Pupils will know how to be fluent in copying and pasting contents between</li> </ul>

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<b>Week 1</b>	<p>LO: To explore the functions of the teeth. Key skills: Ask relevant questions and use different types of scientific enquiries to answer them. Use straightforward scientific evidence to answer questions or to support findings. Key knowledge: Learn about the first stage of the digestive system.</p>	<p>LO: To explain why earthquakes occur. Key skills: Describe and understand key physical aspects of earthquakes Key knowledge</p>	<p>LO: To explore what makes the world wonderful Key skills: personal resonance Key knowledge: How/ when is the world wonderful?</p>	<p>LO: To add formula to cells. Key Skills:</p> <ul style="list-style-type: none"> <li>To explore how the numbers entered into cells can be set to either currency, decimal or fraction.</li> <li>To explore the use of the display of decimal places.</li> <li>To find out how to add formulae to a cell.</li> </ul> <p>Key Knowledge:</p> <ul style="list-style-type: none"> <li>Pupils understand the term formula</li> <li>Pupils understand the term format</li> <li>Pupils know how to use the number formatting tools within 2Calculate to appropriately format numbers.</li> <li>Pupils know how to add formula to a cell to automatically make a calculation in that cell.</li> </ul>
<b>Week 2</b>	<p>LO: To use a simple practical enquiry to answer questions about the basic parts of the digestive system Key skills: Ask relevant questions and use different types of scientific enquiries to answer them. Set up simple practical enquiries and comparative and fair tests. Key knowledge: Describe the simple functions of the basic parts of the digestive system in humans.</p>	<p>LO: To use a map to locate where famous earthquakes have occurred and find out some key facts. Key skills: Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied Key knowledge: Locate the world's countries, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities</p>	<p>LO: To explore the truth that everything changes and people don't want it to. Key skills: knowledge and understanding. Key knowledge: Universal truth 1</p>	<p>LO: To be able to use the tools function Key Skills:</p> <ul style="list-style-type: none"> <li>To explore how tools can be combined to use 2Calculate to make number games.</li> <li>To explore the use of the timer, random number and spin button tools.</li> </ul> <p>Key Knowledge:</p> <ul style="list-style-type: none"> <li>Pupils know how to use the timer, random number and spin button tools.</li> <li>Pupils know how to combine tools to make fun ways to explore number.</li> </ul>

<h2 style="text-align: center;">Week 3</h2>	<p>LO: To understand what different parts of the digestive system do  Key skills: Use straightforward scientific evidence to answer questions or to support findings.  Key knowledge Describe the simple functions of the basic parts of the digestive system in humans.  Identify the different types of teeth in humans and their simple functions.</p>	<p>LO To write a report about a famous earthquake. Extended writing opportunity: Write a report on a famous earthquake.  Key skills: Describe and understand key physical aspects of earthquakes and human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water  Key knowledge: Kobe earthquake in Japan- effect on people (human geography) and why it happened (physical geography)</p>	<p>LO: To explore the truth that suffering is caused by selfishness  Key skills: Knowledge and understanding  Key knowledge: Universal truth 2</p>	<p>LO: To create a line graph</p> <p>Key Skills:</p> <ul style="list-style-type: none"> <li>• Pupils can use a series of data in a spreadsheet to create a line graph.</li> <li>• Pupils can use a line graph to find out when the temperature in the playground will reach 20°C.</li> </ul> <p>Key Knowledge:</p> <ul style="list-style-type: none"> <li>• Pupils know how to open and create a blank worksheet</li> <li>• Pupils know how To use the line graphing tool in 2Calculate with appropriate data.</li> <li>• Pupils know how to To interpret a line graph to estimate values between data readings.</li> </ul>
<h2 style="text-align: center;">Week 4</h2>	<p>LO: To compare the diets of different animals  Key skills: Ask relevant questions and use different types of scientific enquiries to answer them. Identify differences, similarities or changes related to simple scientific ideas and processes. Use scientific evidence to answer questions or to support findings.  Key knowledge: Construct and interpret a variety of food chains, identifying producers, predators and prey</p>	<p>LO: To identify the effect of earthquakes on land and people.  Key skills: Describe and understand key physical aspects of earthquakes and human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water  Key knowledge: Human effects of earthquake</p>	<p>LO: To understand some of Buddha's teachings and idea of the 8-fold path  Key skills: Knowledge and understanding  Key knowledge: Buddha's teaching and 8 fold path</p>	<p>LO: To create a spreadsheet</p> <p>Key Skills:</p> <ul style="list-style-type: none"> <li>• Pupils can make practical use of a spreadsheet to help them plan actions.</li> <li>• Pupils can use the currency formatting in 2Calculate.</li> </ul> <p>Key Knowledge:</p> <ul style="list-style-type: none"> <li>• Pupils know how To use the currency formatting tool in 2Calculate</li> <li>• Pupils know how To use 2Calculate to create a model of a real-life situation.</li> </ul>

<p><b>Week 5</b></p>	<p>LO: To interpret food chains and discuss the impact of changes to a chain. Key skills: Use scientific evidence to answer questions or to support findings. Key knowledge: Construct and interpret a variety of food chains, identifying producers, predators and prey.</p>	<p>LO To identify the help people need after an earthquake. Suggested activity: Role-play as ShelterBox and debate what you would include in your box. Key skills: Describe and understand key physical aspects of earthquakes and human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water Key knowledge: What will the after effects be? How can we help?</p>	<p>LO: To explain how the Buddha's teachings could help make the world a better place. Key skills: Evaluation and critical thinking in relation to enquiry question Key knowledge: Universal truths, Buddha's teachings, 8 fold path and evaluation of these.</p>	<p>LO: To create a spreadsheet</p> <p>Key Skills:</p> <ul style="list-style-type: none"> <li>• Pupils can allocate values to images and use these to explore place value.</li> <li>• Pupils can use a spreadsheet made in 2Calculate to check their understanding of a mathematical concept.</li> </ul> <p>Key Knowledge:</p> <ul style="list-style-type: none"> <li>• Pupils know how To use the functions of allocating value to images in 2Calculate to make a resource to teach place value.</li> </ul>
<p><b>Week 6</b></p>	<p>LO: To explain what I know about human teeth and the digestive system. Key skills:Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions Key knowledge: Describe the simple functions of the basic parts of the digestive system in humans. Identify the different types of teeth in humans and their simple functions.Construct and interpret a variety of food chains, identifying producers, predators and prey.</p>	<p>LO: To identify how to prepare for an earthquake. Extended writing</p> <p>Key skills: Describe and understand key physical aspects of earthquakes and human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water Key knowledge: Earthquake defences-how they have changed over time.</p>	<p>LO: To reflect on my learning and think about how this could be used in the future. Key skills: reflection and expression Key knowledge: Ideas to make the world wonderful using Buddha's teachings.</p>	