



Curriculum Map: Year 5, Spring 1			Educational Visits:
Subject	Unit: Destination Question and Key Learning	Key vocabulary	Home learning
Maths	<p>Short multiplication and short division:</p> <ul style="list-style-type: none"> • Pupils multiply a two-digit number by a single-digit number using: <ul style="list-style-type: none"> - partitioning and representations - expanded multiplication (no regroup) - short multiplication (no regroup) - expanded multiplication (regrouping ones to tens) - short multiplication (regrouping ones to tens) - expanded multiplication (regrouping tens to hundreds) - both expanded and short multiplication (two regroup) • Pupils use estimation to support accurate calculation • Pupils multiply a three-digit number by a single-digit number using partitioning and representations and by using expanded and short multiplication • Pupils divide a two-digit number by a single-digit number using: <ul style="list-style-type: none"> - partitioning and representations - short division - using partitioning and representations - short division • Pupils solve short division problems accurately when the hundreds digit is smaller than the divisor • Pupils will use efficient strategies of division to solve problems 	Multiply Multiplication Divide Division Share Expand Regroup Partition Digit	<p>Hit the button Hit the Button - Quick fire maths practise for 6-11 year olds (topmarks.co.uk)</p> <p>Maths frame mathsframe.co.uk/en/resources/category/22/most-popular</p> <p>Times table rockstars Times Tables Rock Stars – Times Tables Rock Stars (trockstars.com)</p>
English	<p>Fiction unit:</p> <ul style="list-style-type: none"> - Adventure at Sandy Cove based on novel ‘Cosmic’ by Frank Cottrell-Boyce <ul style="list-style-type: none"> o Focus: Use of dialogue to advance action and linking punctuation <p>Non-Fiction:</p> <ul style="list-style-type: none"> - Persuasive letter based on Sandy Cove 		<p>Cosmic by Frank Cottrell Boyce BBC Teach (youtube.com)</p> <p>Cosmic by Frank Cottrell Boyce - Audiobook - Audible.co.uk</p> <p>BBC iPlayer - Bitesize Daily: 9-11 Year Olds - English: 6. Dialogue</p> <p>How to structure and punctuate direct speech in fiction - BBC Bitesize</p>



<p>Science</p>	<p>Earth and Space</p> <p>To know:</p> <ul style="list-style-type: none"> • The Sun is a star at the centre of our solar system. • The Sun, Earth and Moon are approximately spherical bodies. • The names, order and relative positions of the planets and other main celestial bodies. • A moon is a celestial body that orbits a planet and give examples of moons that orbit other planets. • The Earth and other planets orbit around the Sun. • The tilt of the Earth and its orbit around the Sun causes the seasons. • The Moon orbits around the Earth. • How the Earth's rotation causes day and night and the apparent movement of the Sun across the sky. <p>Working Scientifically</p> <ul style="list-style-type: none"> • Pose and identify testable questions about the movement of the celestial bodies in our Solar System. • Use a model to represent the Solar System. • Design and draw a table to record data on moons. • Accurately draw day and night and seasons diagrams. • Calibrate a sundial using a compass and torch and use it to measure time. • Analyse patterns in temperature data for the Earth and use them to predict temperature values for the Earth in the future. 	<p>celestial bodies data day (daytime) degrees Celsius discovery Earth evidence gravity Jupiter line graph line of best fit Mars Mercury model moon Neptune night (nighttime) orbit phase planet</p>	<p>Pluto Saturn season solar system spherical star temperature testable Uranus Venus</p>
<p>RE</p>	<p>Islam (Ramadan/Eid) - What helps Muslims to live a good life? Christianity (Easter) - How did the Church begin, and where is it now? Buddhism - The Buddhist way of life</p>		
<p>DT</p>	<p>Cooking and Nutrition – Developing a recipe:</p> <ul style="list-style-type: none"> - Describe the process of beef production. - Research a traditional recipe and make changes to it. - Add nutritional value to a recipe by selecting ingredients. - Prepare and cook a version of Bolognese sauce. 	<p>abattoir adaptation balanced beef brand</p>	<p>grate hygiene ingredients label measure</p> <p>Spaghetti bolognese Design and Technolog... - VideoLink</p> <p>Burly Beef: from farm to fork... - VideoLink</p>



		cook cross-contamination cut design enhance equipment evaluate farm	nutrient nutrition nutritional value preference press process recipe safety Theme	
Music	How Does Music Improve Our World? (Composing and chords) <ul style="list-style-type: none"> - Singing and listening - Playing - Improvising and composing using a selection of notes 			
Computing	Programming: Overall Learning: <ul style="list-style-type: none"> • Gain practical skills for creating, testing, and transferring code to micro: bits. • Understand that computers need instructions in a sequence, also known as algorithms, and that these are written as programs in code, a language the computer can understand. • Learn how sequences and loops can be used to make animations and control programs. • Gain practical experience and understanding of inputs, outputs, and variables in real-world contexts. • Learn how logic ('if...then' instructions) and sensors combine to make a simple control system. • Combine skills and knowledge gained through the previous lessons to create computer simulations of real-world games of chance. • Evaluate what you have made. 	Algorithm Input Output Sensor Iteration Randomisation Selection Sequences Loops Code Computer simulation		
PSHE	Citizenship: Key skills: <ul style="list-style-type: none"> - Explaining why reducing the use of materials is positive for the environment. 	defendant environment freedom of expression		



	<ul style="list-style-type: none">- Discussing how rights and responsibilities link.- Exploring the right to a freedom of expression.- Identifying the contribution people make to the community and how this is recognised.- Developing an understanding of how parliament and Government work.- Identifying ways people can bring about change in society. <p>Key knowledge:</p> <ul style="list-style-type: none">- To know what happens when someone breaks the law.- To understand the waste hierarchy.- To know that parliament is made up of the House of Commons, the House of Lords and the Monarch.- To know that parliament is where MPs debate issues, propose laws, amend existing laws and challenge the government's work.- To know that a pressure group is a group of people who feel very strongly about an issue and want to see something change.	government House of Commons human rights judge jury Member of Parliament (MP) parliament pressure group Prime Minister trial	
French	<p><u>French playground games – numbers and age</u></p> <ul style="list-style-type: none">- Recall all numbers one to six, with generally accurate pronunciation, in particular vowel and combinations sounds ('un', 'eu', 'oi' and 'in').- Join in with a song using actions.- Respond to numbers by showing fingers or ticking on whiteboards.- Ask and answer a question about their age.- Change their answers and recognise number words.- Listen carefully and relate sounds to a written phoneme.- Recall numbers one to 12 with increasingly accurate pronunciation.	un deux trois quatre cinq six sept huit neuf dix onze douze	
Geography	<p><u>Why do oceans matter?</u></p> <ul style="list-style-type: none">- Describe the water cycle.- Describe how the ocean is used for human activity.- Explain how the ocean helps to regulate the Earth's climate and temperature.- Identify the Great Barrier Reef as part of Australia.- Describe the benefits of the Great Barrier reef.- Describe how humans impact the oceans and the consequences of this.- Explain some actions that can be taken to help support healthy oceans.	atmosphere biodegradable buffer coral bleaching coral reef decompose digital map disposable ecology	



	<ul style="list-style-type: none"> - Explain which data collection method would be best for marine fieldwork and why. - Collect data using a tally chart, photographs and a sketch map. - Safely navigate the fieldwork environment. - Make suggestions for how to improve a marine environment. - Present data using a tally chart and pie chart. <p>Key knowledge:</p> <ul style="list-style-type: none"> - To know the location of key physical features in countries studied. - To know why the ocean is important. - To know some positive impacts of humans on the environment. - To know some negative impacts of humans on the environment. - To know that GIS is a digital system that creates and manages maps, used to support analysis for enquiries. - To know that a pie chart can represent a fraction or percentage of a whole set of data. - To be aware of some issues in the local area. - To know what a range of data collection methods look like. - To know how to use a range of data collection methods. 	<p>ecosystem erosion geology habitat human footprint marine microplastics natural disaster ocean current policy renewable energy single use plastic species water cycle</p>	
<p>Art</p>	<p><u>Drawing: I need space:</u></p> <ul style="list-style-type: none"> - Understand and explain what retrofuturism is. - Participate in discussions and offer ideas. - Evaluate images using simple responses, sometimes using formal elements to extend ideas. - Provide plausible suggestions for how a piece was created. - Comfortably use different stimuli to draw from. - Use past knowledge and experience to explore a range of drawing processes. - Select and place textures to create a collagraph plate, applying an understanding of the material, which may be supported by testing. - Create a selection of drawings and visual notes that demonstrate their ideas using sketchbooks. - Generate a clear composition idea for a final piece. - Apply confident skills to make an effective collagraph print. - Independently select tools and drawing techniques, with some guidance. - Demonstrate growing independence, discussing ways to improve work. 	<p>cold war collagraph collagraphy composition culture decision develop evaluate futuristic imagery printing plate printmaking process propaganda purpose repetition Retrofuturism</p>	<p>revisit space race stimulus technique</p>