

Year 5 – Autumn 1	
Science Crucial Knowledge	
Earth & Space	<ul style="list-style-type: none"> <li>The sun does not move.</li> <li>The Earth moves around (orbits) the sun.</li> <li>The Earth rotates (spins) on its axis.</li> <li>The Earth does a full rotation once every 24 hours.</li> <li>It takes 365 days and 6 hours (1 year) to orbit the sun.</li> <li>The sun is a huge star that Earth and the other planets in our solar system orbit around.</li> <li>The moon orbits the Earth.</li> <li>The planets in the solar system are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.</li> <li>Daytime happens when the side of Earth is facing towards the Sun.</li> <li>Night happens when the side of Earth is facing away from the Sun.</li> </ul>
Geography Crucial Knowledge	
Around the World in half a term Name and locate Hills & Mountains in UK	<ul style="list-style-type: none"> <li>A hill is a piece of land that rises higher than everything surrounding it.</li> <li>If a hill measures over 2000ft/ 609.6m then it is classed as a mountain.</li> <li>The highest mountain ranges are created by the ground (tectonic plates) pushing together and forcing the ground up where they meet.</li> <li>Summit is the highest point of a hill or mountain.</li> <li>A slope is the side of a mountain, hill, or valley.</li> <li>A valley is a low area of land between hills or mountains</li> <li>The highest mountain in England is Scafell Pike</li> </ul>
Art & Design Crucial Knowledge	
Drawing	<ul style="list-style-type: none"> <li>'Single focal point' is the area of the drawing a viewer sees first.</li> </ul>
Computing Crucial Knowledge	
Computer Systems and Networks - Computing and Networks	<ul style="list-style-type: none"> <li>Digital Device is something that has a computer inside to make it work like a washing machine or mobile phone.</li> <li><b>Input:</b> Data provided to a computer system.</li> <li><b>Outputs</b> The information produced by a computer system for its user.</li> <li><b>Selection:</b> A search engine creates an index of the World Wide Web using web crawlers. When a search takes place, results are selected from the search engine's index and delivered to the user</li> <li><b>Ranking</b> - Page rank: Some factors, including the name of the site, the presence of the search term on the site, and the number of links to a site can influence the order in which results are delivered.</li> </ul> <p>Vocabulary system, connection, digital, input, process, storage, output, search, search engine, refine, index, bot, ordering, links, algorithm, search engine optimisation (SEO), web crawler, content creator, selection, ranking.</p>
Religious Education Crucial Knowledge	
Sacred writings – Hinduism	<ul style="list-style-type: none"> <li>There are many different Gods/Goddesses worshipped in Hinduism, but they are all aspects of the one supreme God.</li> <li>Krishna is known in Hinduism as God as a child.</li> <li>The Vedas is one of the sacred writings in Hinduism.</li> <li>Rama and Sita is one of the main stories from Hinduism.</li> <li>Diwali is a 'festival of lights' and one of the main festivals celebrated by Hindu's.</li> </ul>
Physical Education Crucial Knowledge	
Gymnastics	<ul style="list-style-type: none"> <li>Technique is a way of carrying out a particular task.</li> <li>Evaluate is to judge something.</li> <li>Flexibility is the range of movement through body joints.</li> <li>Movement is when changing position, posture or place.</li> <li>A pattern is when a movement or action is repeated.</li> <li>Communicating with others giving and receiving information.</li> <li>Collaboration is working with others to achieve/create something.</li> <li>Co-ordination is the ability to move two or more body parts under control, smoothly and efficiently.</li> </ul>

	<ul style="list-style-type: none"><li>• Jump is to lift off the ground from one foot onto two feet. During the flight of the jump, you should bend your legs slightly and land on two feet, with bent legs and without losing their balance.</li><li>• Agility is how quickly you can change direction whilst maintaining speed, balance and power.</li></ul>		
Swimming	<ul style="list-style-type: none"><li>• Swimming means to move through the water without touching the floor or side.</li><li>• Flexibility is the range of movement through body joints.</li><li>• Strength is a measure of power.</li><li>• Technique is a way of carrying out a particular task.</li><li>• Movement is when changing position, posture or place.</li><li>• A pattern is when a movement or action is repeated.</li></ul>		
Personal, Social Health & Economic Education Crucial Knowledge			
What makes up a person’s identity	<ul style="list-style-type: none"><li>• A person’s identity is what makes each person individual – looks, personality, beliefs, values.</li><li>• <b>A person can show their identity through their online profile.</b></li><li>• Stereotype means to class people as all the same for 1 or two reasons – this is wrong eg. All boys like football, boys shouldn’t cry.</li></ul>		
Music Crucial Knowledge			
What Shall We Do with the Drunken Sailor?	<ul style="list-style-type: none"><li>• Pitch is how high or low a sound is.</li><li>• Tempo is the speed of the music.</li><li>• Time signatures show how many beats are in each bar.</li><li>• Rhythm is a pattern of long and short sounds.</li><li>• Duration is the length of time each note is played for.</li><li>• Crochet – a note worth one beat.</li><li>• Quaver – a note worth half a beat.</li><li>• Semiquaver – a note worth half the duration of a quaver (a quarter of a beat).</li><li>• A sea shanty is a type of song traditionally used by sailors as a work song.</li></ul>		
Spanish Crucial Knowledge			
Unit 4			
English	Spanish	English	Spanish
How are you?	¿Qué tal? ¿Cómo estás?	a dog	un perro
I am...	Estoy...	a guinea-pig	una cobaya
good	bien	a cat	un gato
great	fenomenal	a tortoise	una tortuga
happy	contento (m) contenta (f)	a fish	un pez
ill	enfermo (m) enferma (f)	a bird	un pájaro
bad	mal	a rabbit	un conejo
sad	triste	a mouse	un ratón
Have you got any pets?	¿Tienes animales?	a hamster	un hámster
I have a ...	Tengo <b>un / una</b>		
Numbers 1-10	uno, dos, tres, cuatro, cinco, seis, siete, ocho, nueve, diez		
Numbers 11-20	once, doce, trece, catorce, quince, dieciséis, diecisiete, dieciocho, diecinueve, veinte		