

Year 6 Autumn 1	
Science Crucial Knowledge	
Living Things and their Habitats	<ul style="list-style-type: none"> <li>Classification is the sorting of things into different groups based on their characteristics.</li> <li>Characteristics are special qualities or appearances that make an individual or group of things different to others.</li> <li>You can classify living things (plants, animals, micro-organisms) by comparing similarities and differences.</li> <li>A micro-organism is a living thing that is too small to be seen with your eye. (e.g. bacteria, viruses, some moulds).</li> </ul>
Geography Crucial Knowledge	
Around the World in half a term Longitude, latitude, equator, hemisphere, time zones etc	<ul style="list-style-type: none"> <li>The Equator is an imaginary circle around Earth. It divides Earth into two equal parts: The Northern Hemisphere and the Southern Hemisphere.</li> <li>The lines of latitude run parallel to the Equator and show how far north or south a place is.</li> <li>The lines of longitude run from the top of the Earth to the bottom and show how far east or west a place is.</li> <li>The Tropic of Cancer is in the Northern hemisphere and the Tropic of Capricorn is in the Southern hemisphere.</li> <li>The imaginary line that circles around the top of the globe is called the Arctic Circle and the line that circles the bottom of the globe is called the Antarctic Circle.</li> <li>GMT stands for Greenwich Mean Time. This is the time in the United Kingdom.</li> <li>In the summer 1 hour is added to GMT – this is called British Summer Time (BST).</li> </ul>
Art & Design Crucial Knowledge	
Drawing	<ul style="list-style-type: none"> <li>The area of the drawing a viewer sees first is called the ‘single focal point.’</li> <li>‘Horizon’ is a line that runs across the page from side to side to represent the viewer’s eye level.</li> </ul>
Computing Crucial Knowledge	
Computer Systems and Networks - Internet communication	<ul style="list-style-type: none"> <li>The World Wide Web is part of the internet where we can visit webpages and websites (WWW.)</li> <li>Web browsers (Google Chrome, Safari, Firefox, Internet Explorer) You need these to access the World Wide Web.</li> <li>Packets are used to transfer data across networks</li> <li>Data is transferred in packets</li> <li>Connections between computers allow access to shared stored files</li> <li>Computers connected to the internet allow people in different places to work together</li> <li>We can communicate over the internet and World Wide Web, but we must do so responsibly.</li> <li>Communicating and collaboration using the internet can be public or private</li> </ul> <p><b>Vocabulary:</b> communication, protocol, data, address, Internet Protocol (IP), Domain Name Server (DNS), packet, header, data payload, chat, explore, slide deck, reuse, remix, collaboration, internet, public, private, one-way, two-way, one-to-one, one-to-many.</p>
Music Crucial Knowledge	
Hey Mr. Miller	<ul style="list-style-type: none"> <li>Duration is the length of time each note is played for.</li> <li>Rhythm is a pattern of long and short sounds.</li> <li>Syncopation is a rhythm pattern where a main note (on the beat) is placed off the beat.</li> <li>Pitch is how high or low a sound is.</li> <li>Timbre is the quality of a sound.</li> <li>Structure is the way a piece of music is organised.</li> <li>Swing music originated in America during the late 1920s and was popular throughout the 1930s and 1940s. It was used for dancing to.</li> </ul>
Religious Education Crucial Knowledge	

Commitment	<ul style="list-style-type: none"> <li>• Commitment is a promise to give your time and energy to something you believe in.</li> <li>• The impact of commitment is a powerful influence on a person's beliefs.</li> <li>• During a ceremony believers discuss important beliefs, promises and special items.</li> <li>• A Bar Mitzvah is a coming-of-age ceremony for a Jewish boy and a Bat Mitzvah is for a Jewish girl. The ceremonies signify them becoming Jewish adults.</li> <li>• Bar and Bat Mitzvahs usually take place in the synagogue, and the boy or girl will read aloud from the Torah. They are between 12 and 13 years old.</li> <li>• Confirmation is when a Christian is old enough to make their own promises to follow God and live their life in a Christian way, this is usually in a church.</li> </ul>
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#### 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>• 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> <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>
Football	<ul style="list-style-type: none"> <li>• Kicking is when you hit an object (ball) with your foot</li> <li>• Attack is to try to move past and score against the opposing team.</li> <li>• Defend is to block the other team and stop them from scoring.</li> <li>• Agility is how quickly you can change direction whilst maintaining speed, balance and power.</li> <li>• Co-operation is when you work together with others to achieve a result</li> <li>• Collaboration is working with others to achieve/create something</li> <li>• Communicating with others giving and receiving information.</li> <li>• Competing means to do your best against others.</li> </ul>

#### Personal, Social Health & Economic Education Crucial Knowledge

How can we keep healthy as we grow?	<ul style="list-style-type: none"> <li>• You can be healthy by eating a balanced diet.</li> <li>• Exercise and sleep are also important for your health.</li> <li>• <b>It is important not to spend too much time online.</b></li> <li>• It is important to understand how you feel (moods and emotions).</li> <li>• You should speak to someone if you feel that something isn't ok.</li> <li>• We must look after our mental health as well as our physical health. We can be supported by family, friends and professionals if needed.</li> </ul>
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#### Spanish Unit 5

English	Spanish	English	Spanish
He / she has .... hair.	El / ella tiene el pelo...	sister	la hermana
brown	castaño	brother	el hermano
dark brown	moreno	baby	el bebé
black	negro	grandmother	la abuela
blonde	rubio	grandfather	el abuelo
red	pelirrojo	His/her name is...	Se llama...
He / she has... eyes.	El / ella tiene los ojos...	He is .... (adjectives). She is... (adjectives).	El es... Ella es...

blue	azules	tall	alto (m) alta (f)
brown	marrónes	short	bajo (m) baja (f)
green	verdes	strong	fuerte
black	negros	kind	amable
In my family, there is...	En mi familia hay...	chatty	hablador (m) habladora (f)
mother	la madre	funny	divertido (m) divertida (f)
father	el padre	shy	tímido (m) tímido (f)