

Year 4 Autumn 1	
Science Crucial Knowledge	
States of Matter	<ul style="list-style-type: none"> • A solid is an object that is firm and stable. • A liquid is a substance that flows freely. • A gas has no fixed shape and will expand freely. • Changing state means to change from a solid to a liquid or a liquid to a gas. • Water boils at 100 degrees Celsius (°C) • Water freezes at 0 degrees Celsius. (°C) • The temperature is how hot or cold something is. • Evaporation is when a liquid (for example, water) changes to a gas due to it being heated. • Condensation is when water vapour (gas) is cooled down, which then it changes into a liquid (for example water).
Geography Crucial Knowledge	
Around the World in half a term Name and locate Coasts and Rivers in UK	<ul style="list-style-type: none"> • Rivers are split into 3 sections: the upper, middle and lower course. • The source is where a river begins, usually on higher ground. • The mouth of the river is the point where the river joins the sea. • The largest river in the UK is the River Severn which flows through parts of Wales and England. • A coast is where the land and sea meet. • A beach is a strip of land by the sea or ocean. • A cliff is a steep rock face usually at the edge of the sea.
Art & Design Crucial Knowledge	
Drawing	<ul style="list-style-type: none"> • Pencils are graded by numbers are used to tell us how soft the lead is. The higher the number the softer the lead and the darker the mark.
Computing Crucial Knowledge	
Computer Systems and Networks - The internet	<ul style="list-style-type: none"> • The internet is a network of networks • The global interconnection of networks is the internet • The internet enables us to view the World Wide Web • The World Wide Web comprises of websites and web pages, for example (Google, Safari) • We can communicate over the internet and World Wide Web. • Online Safety is when we communicate responsibly over the internet. <p>Vocabulary: internet, network, router, security, switch, server, wireless access point (WAP), website, web page, web address, routing, web browser, World Wide Web, content, links, files, use, download, sharing, ownership, permission, information, accurate, honest, content, adverts</p>
Musical Crucial Knowledge	
This Little Light of Mine	<ul style="list-style-type: none"> • Structure is the way a piece of music is organised. • Rhythm is a pattern of long and short sounds. • Ostinato is a short musical phrase or rhythm that is repeated over and over. • Pitch is how high or low a sound is. • Tempo is the speed of the music. • Timbre is the quality of a sound. • Improvise means to make up the music on the spot.
Physical Education Crucial Knowledge	
Invasion - Football	<ul style="list-style-type: none"> • Kicking is when you hit an object (ball) with your foot • Attack is to try to move past and score against the opposing team. • Defend is to block the other team and stop them from scoring. • Agility is how quickly you can change direction whilst maintaining speed, balance and power.

	<ul style="list-style-type: none">• Co-operation is when you work together with others to achieve a result.• Collaboration is working with others to achieve/create something• Communicating with others giving and receiving information.• Competing means to do your best against others.		
Religious Education Crucial Knowledge			
Environment - Harvest	<ul style="list-style-type: none">• Christians believe in one God as creator of the world.• Christians believe God created man in his own image.• Christians celebrate Harvest by being thankful for the food God has given them.• The word Harvest means to gather in a crop.• Jewish people celebrate the festival of Sukkot. They give thanks for having food and shelter.• The Jewish festival of Sukkot remembers the 40 years the Jewish people spent in the Wilderness.		
Personal, Social Health & Economic Education Crucial Knowledge			
What strengths, skills and interests do we have?	<ul style="list-style-type: none">• Goals give us something to work towards and we feel proud when we achieve our goals.• Self-esteem is how you feel about yourself.• When things go wrong, we should learn from the experience.• We might decide to try again, or we might change our plans.		
Spanish Crucial Knowledge			
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 un / una		
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		