

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 where a liquid turns into vapour. • Condensation is water which collects as droplets on a cold surface when humid air is in contact with it
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 World Wide Web is part of the internet where we can visit webpages and websites (WWW). • Web browsers (Google Chrome, Safari, Firefox, Internet Explorer) You need these to access the World Wide Web. • We can communicate over the internet and World Wide Web but we must do so responsibly.
Music Crucial Knowledge	
Poetry – performance	<ul style="list-style-type: none"> • Compose is to write or create a piece of music. • Singing is to perform songs or tunes with our voices. • Solo is when someone sings or plays an instrument on their own.
Environment - composition	<ul style="list-style-type: none"> • Timbre is the quality of the sound of a voice or instrument. • Improvise is to create a performance without preparation. • Compose is to write or create a piece of music.
Physical Education Crucial Knowledge	
Gymnastics	<ul style="list-style-type: none"> • Technique is a way of carrying out a particular task. • Evaluate is to judge something. • Flexibility is the range of movement through body joints. • Movement is when changing position, posture or place. • A pattern is when a movement or action is repeated. • Communicating with others giving and receiving information. • Collaboration is working with others to achieve/create something. • Co-ordination is the ability to move two or more body parts under control, smoothly and efficiently. • 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. • Agility is how quickly you can change direction whilst maintaining speed, balance and power.
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.

	<ul style="list-style-type: none"> • Agility is how quickly you can change direction whilst maintaining speed, balance and power. • 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.
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.
French Crucial Knowledge	
Crucial knowledge question	Crucial knowledge answer
<ul style="list-style-type: none"> • Animals and pets – bird, cat, rabbit, dog • Giving someone's name – His name is _____. Her name is _____. • Describing someone – He is _____. She is _____. 	<ul style="list-style-type: none"> • Un oiseau, un chat, un lapin, un chien • Il s'appelle (name), Elle s'appelle (name) • Il est _____, Elle est _____