

Year 4 Summer 1	
Science Crucial Knowledge	
Sound	<ul style="list-style-type: none"> • Sounds are created by vibrations. • Vibrations are movements backwards and forwards. • Sound waves (vibrations) travel through solids, liquids and gasses to the ear. • The pitch tells you how high or low a sound is. • The volume tells you how loud or quiet a sound is. • The louder the sound the bigger the vibrations are. • The further away from a sound you are, the quieter it is because the vibrations have further to travel.
Geography Crucial Knowledge	
This is Our Earth The Water Cycle	<ul style="list-style-type: none"> • The journey water takes as it moves from the land to the sky and back again is called The Water Cycle. • Evaporation is when water changes from liquid to gas due to heat. • Condensation is when water vapour cools and turns into clouds. • Precipitation is rain, hail, sleet and snow that fall from the clouds. • Collection occurs when water that falls from the clouds, collects in oceans, rivers, lakes and streams. Most will infiltrate (soak) into the ground and will collect as underground water. • The draining away of water from the surface of the land back into a river / lake / ocean is called run-off.
Art & Design Crucial Knowledge	
Sculpture	<ul style="list-style-type: none"> • If you 'pinch clay' you use your thumb and finger to shape the clay. • 'Coiling' means to spiral the clay in an upward motion to form a shape. • Carving means to use tools to scrape away parts of the clay.
Computing Crucial Knowledge	
Creating Media - Audio editing	<ul style="list-style-type: none"> • Software is the programme or operating system that a computer uses. • Hardware is the physical components of a computer. • Input: Data provided to a computer system, such as via a keyboard, mouse, microphone, camera or physical sensors. • Outputs The information produced by a computer system for its user; items on a screen, speakers, lights. • Evaluating is to judge or calculate the quality, importance, amount, or value of something. • You can create audio with computers such as a podcast.
Music Crucial Knowledge	
Communication – Composition	<ul style="list-style-type: none"> • Improvise is to create a performance without preparation. • Rhythm is the music's pattern in time (counted). • Compose is to write or create a piece of music.
Time – Beat	<ul style="list-style-type: none"> • Singing is to perform songs or tunes using our voices. • Compose is to write or create a piece of music. • An ensemble is when a group of people perform together.
Physical Education Crucial Knowledge	
Athletics	<ul style="list-style-type: none"> • Competitive sports are games where the aim of the games is to win • Run is to move quickly using your feet. • 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. • If you run and then jump the distance you jump will be longer • Throw is to push an object by hand with a sudden forward motion ending with straightening the arm and wrist. • Catching is the use the hands to stop and hold a moving object. • Strength is a measure of power. • Technique is a way of carrying out a particular task. • Movement is when changing position, posture or place.
Net games – Tennis	<ul style="list-style-type: none"> • Striking is when you hit a ball with a racket. • Strength is a measure of power. • Technique is a way of carrying out a particular task.

	<ul style="list-style-type: none"> Communicating with others giving and receiving information. Collaboration is working with others to achieve/create something. Competing means to do your best against others. Evaluate is to judge something.
Religious Education Crucial Knowledge	
Thinking about God	<ul style="list-style-type: none"> Christians believe in only one God. Hindus supreme God is Brahman. Brahman can appear in different forms. Especially three forms called the Trimurti. Hindus believe that life is a cycle of birth, death, and rebirth. They also believe that the next life depends on how the previous life was lived. Hindus believe in many Gods - all these Gods have specific roles.
Personal, Social Health & Economic Education Crucial Knowledge	
How will we grow and change?	<ul style="list-style-type: none"> Puberty is when a child's body begins to develop and change as they become an adult. Girls develop breasts and start their periods. Boys develop a deeper voice and facial hair will start to appear. Boys and girls might find that their mood changes and they feel more emotional It is important to stay clean Personal hygiene needs to include regular washing and changing of underwear and clothing
French Crucial Knowledge	
Crucial knowledge question	Crucial knowledge answer
<ul style="list-style-type: none"> Numbers 21-31 Numbers 31-60 follow the same pattern. French months do not have capital letters 	<ul style="list-style-type: none"> vingt et un, vingt-deux, vingt-trois, vingt-quatre, vingt-cinq, vingt-six, vingt-sept, vingt-huit, vingt-neuf, trente, trente et un 30 – trente, 40 – quarante, 50 – cinquante, 60 – soixante janvier, février, mars, avril, mai, juin, juillet, août, septembre, octobre, novembre, décembre