

Year 5 – Autumn 2	
Science Crucial Knowledge	
Forces	<ul style="list-style-type: none"> • Gravity is a pulling force • It pulls all things with mass towards the centre of the earth. • Earth's gravity is what keeps you on the ground and what causes objects to fall. • Mass is the amount of material that is in an object. Usually weighed in kg and g. • Mass is not the same as weight because weight changes due to gravity. • Friction is a force that acts between objects and surfaces when trying to move. • Air resistance is a type of friction that happens between the air and another object (like a plane). • Water resistance is a type of friction that slows things down in the water.
History Crucial Knowledge	
Where did all the potters go?	<ul style="list-style-type: none"> • As people began to drink more tea and coffee, more cups and pots needed. These were made from pottery. • There were many reasons that the demand for British pottery decreased from 1900. These included the use of new materials and cheap pottery from China. • As the demand for British pottery decreased people started to lose their jobs which impacted on their families. • Some factories in Stoke-on-Trent are still working but have introduced modern technology and other ways of making money e.g. Cafés, museums, craft centres.
Design & Technology Crucial Knowledge	
Wheels and Axles	<ul style="list-style-type: none"> • A wheel is a circle that rolls so that a vehicle can move. • An axle is a rod that attaches to the wheel and allows the wheel to turn.
Computing Crucial Knowledge	
Creating Media – Video Editing	<ul style="list-style-type: none"> • Digital Devices process other things, other than switching on and off. Digital devices have inputs, processes, and outputs. • Input: Data provided to a computer system, such as via a keyboard, mouse, microphone, camera or physical sensors. • Software is the programme or operating system that a computer uses. • A video is the recording, reproducing, or broadcasting of moving visual images. • Videos can be improved by editing. You can edit by using the tools in video editing software: split, trim and crop.
Music Crucial Knowledge	
Christmas concert Performance	<ul style="list-style-type: none"> • Recorded music is music that has been recorded by a live artist or band and then played back. • Live music is music that is performed in front of an audience. • Singing is performing songs or tunes using your voice. • Solo is when someone sings or plays an instrument on their own. • An ensemble is when a group of people perform together.
Physical Education Crucial Knowledge	
Ball games	<ul style="list-style-type: none"> • . 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. • Co-operation is when you work together with others to achieve a result. • Catching is the use the hands to stop and hold a moving object. Eyes on the object, fingertips together (two handed catch). Cath the object, then grip it. • Communicating with others giving and receiving information. • Throw is to push an object by hand with a sudden forward motion ending with straightening the arm and wrist. • Eyes on the object, Finger tips together (two handed catch). • Collaboration is working with others to achieve/create something
Swimming	<ul style="list-style-type: none"> • Swimming means to move through the water without touching the floor or side. • Flexibility is the range of movement through body joints. • Strength is a measure of power.

	<ul style="list-style-type: none"> • Technique is a way of carrying out a particular task. • Movement is when changing position, posture or place. • A pattern is when a movement or action is repeated.
Religious Education Crucial Knowledge	
Peace	<ul style="list-style-type: none"> • Peace is a sense of harmony and calmness • Peace is a theme that can be found across different religions • Christians believe that Jesus demonstrated peace and they followed his example. • A peacemaker is a Christian who rejects all violence and looks for peaceful methods to encourage others. • Hinduism: Ahimsa is non-violence and a respect for all living things. • Judaism: 'Shalom' means peace and is a word used in the Torah
Personal, Social Health & Economic Education Crucial Knowledge	
How can we help in an accident or emergency?	<ul style="list-style-type: none"> • You contact emergency services by calling 999 on a telephone • You should only call 999 in an emergency and it is against the law to call them if it is not an emergency • You can contact the police, ambulance, fire brigade and coast guard by calling 999 • If you are contacting emergency services, you need to know: Where you are and explain why you are calling. • If you are calling the ambulance you will need to know who is hurt, if they are breathing, what has happened (if you know) – you may be asked by the person on the phone to do first aid • Basic first aid is something that you don't need any training for e.g. treating a graze, minor burn, choking, asthma and allergic reactions
French Crucial Knowledge – unit 7	
Crucial knowledge question	Crucial knowledge answer
Describing hair and eyes using colours, long, short. I have _____ eyes. I have _____ hair.	Long – longs, short – courts, J'ai les cheveux (longs/courts) (colour)
Nationalities – she is/ he is Canadian, French, British	(Elle est/ il est) canadien, français, britannique