Year 6 Spring 2

Science Crucial Knowledge

Electricity	- A circuit is a pathway for electricity to flow around. - The cell is a power source. - The greater the number of cells or voltage, the brighter the lamp will be or the louder the buzzer will be. - To make a bulb/buzzer brighter/louder, use more cells or voltage or shorter wires. The shorter the pathway is the less electricity is used getting to the bulb. - The bulb/buzzer will be dimmer/quieter if there is more than one because the voltage is having to be shared amongst more things.

History Crucial Knowledge

Britain during the time of the Saxons and the Vikings	- The Vikings were people who came from Sweden, Denmark and Norway. They were brave fighters but also expert farmers. - The first Viking attack (raid) on Britain happened in 793AD at a place called Lindisfarne. - The Viking era in Britain began around 1200 years ago. - Alfred the Great (a Saxon) stopped the Vikings taking over all of England. - The Vikings settled in parts of England. The country was split into two parts, Wessex (ruled by the Saxons) and the Danelaw (ruled by the Vikings). - The Saxons ruled England until 1066. - When King Edward the Confessor died in 1066, three men said they should be the next king; Harold Godwinson, William Duke of Normandy and Harald Hardrada. - At the end of 1066 William, Duke of Normandy became King of England.

Computing Crucial Knowledge

Programming - Variables in Games	- An algorithm is a precise set of ordered instructions which can be turned into code **Coding** is how we communicate with computers. Code tells a computer what actions to take. **Variables** are data values that can change when the user is asked a question for example your age. **Bug**: A mistake in the code. **Debugging** is checking the code in a computer program to ensure it works and changing it if it doesn't. - Different programs act in different ways, some code is in a: - Sequence - An order of events. - Selection - the process of making a decision. - Repetition - A repeat in code, repeating a sequence of instructions a certain number of times. - Variable: something that can be changed.

Music Crucial Knowledge

Growth – Street Dance Performance	- Rhythm is the music's pattern in time (counted). - Texture in music means how the melody, tempo and sounds are combined to make a piece of music. - Singing is to perform songs or tunes using our voices. - An ensemble is when a group of people perform together. - Pitch is how high or low a sound is. - Dynamics are how loud or quiet the music is. - Un-tuned instrument is an instrument that does not play set notes e.g. drums. - The structure of a piece of music, is how it is put together.

Physical Education Crucial Knowledge

Hockey	- Striking is when you hit a ball with a bat, stick or racket. - 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. - Communicating with others giving and receiving information. - Collaboration is working with others to achieve/create something.

	• Competing means to do your best against others.
Cricket	• 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. Eyes on the object, Finger tips together (two handed catch) • Agility is how quickly you can change direction whilst maintaining speed, balance and power. • Communicating with others giving and receiving information. • Collaboration is working with others to achieve/create something. • Competing means to do your best against others. • Striking is when you hit a ball with a bat or racket

Religious Education Crucial Knowledge

Belief in Action	• Christians believe that Sundays are a day to rest and to prepare for the week ahead. • The 'Shabbat' (often called the Sabbath) is the Jewish day of rest. Jews regard this day as a gift given to them by God. • Shabbat begins at nightfall on Friday and lasts until nightfall on Saturday. • Beliefs about a day of rest are connected to religious teachings e.g. The Ten Commandments.

Personal, Social Health & Economic Education Crucial Knowledge

How can we keep healthy as we grow?	• You can be healthy by eating a balanced diet. • Exercise and sleep are also important for your health. • It is important to understand how you feel (moods and emotions). • You should speak to a trusted adult if you feel that something isn't ok. • We must look after our mental health as well as our physical health. We can be supported by family, friends and professionals if needed.

French Crucial Knowledge

Crucial knowledge question	Crucial knowledge answer
• Shopping for food – I would like - tomatoes, lemonade, strawberries, cheese, cream, bread. • How much is it? Its _____ euros.	• Je voudrais – des tomates, de la lemonade, des fraises, du fromage, de la crème, du pain. • C'est combien? C'est _____ euros.