

Year 6 Summer 1

Science Crucial Knowledge

Evolution and Inheritance

- When living things reproduce, they pass on characteristics to their offspring. This is known as inheritance.
- Offspring are not identical to their parents – these are known as variations (changes and differences) of the same species.
- Living things have changed and adapted over many years.
- Adaptation is when a characteristic changes to increase a living thing's chances of surviving in their environment.
- Natural selection is where animals have adapted over time in order to survive and reproduce - Giraffes now have long necks so that they can reach food on the taller trees.
- Evolution is the gradual change of things over time as they adapt and grow.

Geography Crucial Knowledge

This is Our Earth Climate zones, biomes & Vegetation Belts

- A climate is the average weather condition of a place over a long period of time.
- Climate zones are sections of the earth that are divided according to their climate.
- There are six different climate zones: polar (extremely cold), temperate (mild summers and mild winters), arid (extremely dry), tropical (hot and humid), Mediterranean (hot summers and cold winters) and mountainous (the weather gets colder, the higher up the mountain).
- A biome is a natural area with a similar climate and similar types of plants and animals that have adapted to suit a particular environment.
- The world is divided into lots of different biomes and they are all different depending on their climate.

Art & Design Crucial Knowledge

Sculpture

- Clay can be manipulated by pinching, carving, impressing and coiling.
- Clay is hardened by removing the moisture – air drying or kiln
- Glaze is the paint that is used on clay.

Computing Crucial Knowledge

Creating Media - 3D Modelling

- Software is the programme or operating system that a computer uses.
- Hardware is the physical components of a computer.
- Information Technology can help us to design, create programs, collect information, analyse data and present information.
- Different Software on digital devices helps people and industries to do different things.
- You can use software on digital devices to design and create
- 3D models can be created on a computer
- Presenting is when you can use a sequence of multimedia formats, such as images, to demonstrate knowledge or skills learned.
- Evaluating is to judge or calculate the quality, importance, amount, or value of something.

Music Crucial Knowledge

Roots – Mini Musical Performance

- Singing is to perform songs or tunes using our voices.

An ensemble is when a group of people perform together.

Untuned instrument is an instrument that does not play set notes e.g. drums.

Rhythm is the music's pattern in time (counted).

Dynamics are how loud or quiet the music is.

Tempo is the speed of the music.

	<p>Timbre is the quality of the sound of a voice or instrument.</p> <p>The structure of a piece of music, is how it is put together.</p> <p>Improvise is to create a performance without preparation.</p> <p>Texture in music means how the melody, tempo and sounds are combined to make a piece of music.</p>
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Physical Education Crucial Knowledge	
Athletics	<ul style="list-style-type: none"> • 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.
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. • 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	
The Importance of Hope	<ul style="list-style-type: none"> • Hope is wanting something to happen or to be true. It is a desire for things to change for the better. • Hanukkah is a Jewish festival that celebrates the victory of good over evil. • The leader of a Jewish synagogue is called a Rabbi. • Rabbi Hugo Gryn was imprisoned in Auschwitz (a concentration camp) with his family in 1944.

Personal, Social Health & Economic Education Crucial Knowledge	
<p>What will change as we become more independent?</p> <p>How do friendships change as we grow?</p>	<ul style="list-style-type: none"> • As you grow up you may find new friends and lose some friends as you mature. This may make you feel sad but understanding that it is part of life is important. • Going to secondary school will promote independence for example: having to organise yourself, follow time tables and time management. • It is ok to be attracted to someone as we grow up; we discover different feelings for different people. • Some people may choose to not marry. • Marriage should be with consent and not forced.

French Crucial Knowledge – Unit 12	
Crucial knowledge question	Crucial knowledge answer
<ul style="list-style-type: none"> • Clothing – t-shirt, hat, skirt, trousers, jacket, shirt. 	<ul style="list-style-type: none"> • Les vêtements – t-shirt, un chapeau, une jupe, un pantalon, une veste, une chemise.

