

Year 3 Summer 1

Science Crucial Knowledge

Light

- Dark – when there is no light
- Reflection - light bounces off an object – if it hits our eyes, we can see the object.
- Transparent - you can see clearly through something e.g., a glass window
- Opaque - you can't see through it, does not let any light through.
- Translucent – you can see through something but not clearly
- Shadow – when an opaque object blocks the light it forms a shadow.

Geography Crucial Knowledge

This is Our Earth Volcanoes & Earthquakes

- Our Earth is made up of the inner core, outer core, mantle and crust.
- The Earth's crust is made up of large areas called tectonic plates that meet.
- When the tectonic plates move, it causes friction. This causes earthquakes and volcanic eruptions near the edges of the plates.
- An earthquake is a sudden violent shaking of the ground.
- A volcano is made when pressure builds up inside the Earth. This opens the Earth's crust causing magma to sometimes erupt through it.
- There are three different types of volcanos: active (erupted in the last 10 000 years), dormant (haven't erupted in the last 10 000 years) and extinct (are not expected to erupt again).

Art & Design Crucial Knowledge

Sculpture

- If you 'impress' clay you make a mark in the clay by pressing or stamping an object into it.
- Carving means to use tools to scrape away parts of the clay.
- 'Coiling' means to spiral the clay in an upward motion to form a shape.

Computing Crucial Knowledge

Creating Media – Desktop Publishing

- Information Technology helps us to do a job, communicate or for entertainment.
- Desktop publishing is a way of creating documents that include both text and images, such as invitations, magazines, or newsletters using page layout software
- Text is writing on a computer
- Images are pictures
- Page orientation: you can set your page up in portrait or landscape
- Template is a document that has been laid out in a certain way
- Placeholders are boxes that hold the place of text or images that you are going to add to your document
- Presenting is when your multimedia formats, such as images and text to demonstrate knowledge or skilled learned.

Music Crucial Knowledge

Playing an instrument

- Rhythm is the music's pattern in time (counted).
- Pitch is how high or low a sound is.
- Dynamics are how loud or quiet the music is.
- Tempo is the speed of the music.
- Simple notation is following pictures or words and joining in to sing or play an instrument.
- Duration is how long a piece of music is.
- Timbre is the quality of the sound of a voice or instrument.
- The structure of a piece of music, is how it is put together.

Physical Education Crucial Knowledge

Athletics

- 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.
- 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 & Wall - Tennis

- Striking is when you hit a ball with a racket.

	<ul style="list-style-type: none"> • Strength is a measure of power. • Technique is a way of carrying out a particular task. • 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	
The Beginning of the World	<ul style="list-style-type: none"> • Creation means to make something exist. • The Creation Story – God created our whole world in six days. <p>Christians believe that –</p> <ul style="list-style-type: none"> • On day 1 God created light • On day 2 God created the sky • On day 3 God created the land and the seas and the plants • On day 4 God created the sun, the moon and the stars • On day 5 God created the birds and the animals that live in the water • On day 6 God created the other animals and people • On day 7 God rested
Personal, Social Health & Economic Education Crucial Knowledge	
Why should we eat well and look after our teeth?	<ul style="list-style-type: none"> • A balanced diet has a range of nutritional foods - taking care to not have too many high sugar food and drinks. • Eating a balanced diet makes you feel good and prevents illnesses or obesity. • People eat different things, sometimes this is because of budget, culture, parents may choose for everyone, school dinners. • You should visit your dentist regularly. • To keep teeth healthy you should floss, use mouthwash and brush your teeth twice a day. • Sugary drinks cause teeth to rot so they need fillings or removing
French Crucial Knowledge	
Crucial knowledge question	Crucial knowledge answer
<ul style="list-style-type: none"> • Describing hair and eyes using colours, long, short. How to say I have ____ eyes. I have ____ hair. • Days of the week – Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday 	<ul style="list-style-type: none"> • Long – longs, short - courts, J'ai les yeux (colour), J'ai les cheveux (longs/courts) (colour) • lundi, mardi, mercredi, jeudi, vendredi, samedi, dimanche (French days of the week do not have capital letters)