

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
 - Placeholders are boxes that hold the place of text or images that you are going to add to your document
- Vocabulary:** text, images, advantages, disadvantages, communicate, font, style, landscape, portrait, orientation, placeholder, template, layout, content, desktop publishing, copy, paste, purpose, benefits.

Music Crucial Knowledge

Fly with the Stars

- Duration is the length of time each note is played for.
- Crochet – a note worth one beat.
- Quaver – a note worth half a beat.
- A rest is a pause in the music.
- Rhythm is a pattern of long and short sounds.
- Time signatures show how many beats are in each bar.
- Pitch is how high or low a sound is.
- A chord is 2 or more notes played at the same time and work in harmony.
- Timbre is the quality of a sound.
- Structure is the way a piece of music is organised.

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	<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. • 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.
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Religious Education Crucial Knowledge

The Beginning of the World	<ul style="list-style-type: none"> • Creation means to make something exist. • Christians believe that God created our whole world in six days. This is called the Creation story. • Hindus believe that the world was created by the God Brahma. • Some non-religious people do not believe that there is any kind of God that created the world and prefer scientific explanations such as The Big Bang Theory.
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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
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Spanish Crucial Knowledge – Unit 3

English	Spanish	English	Spanish
What are you like?	¿Cómo eres?	dark brown	moreno
I am..	Soy...	black	negro
tall	alto (m) alta (f)	blonde	rubio
slim	delgado (m) delgada (f)	red	pelirrojo
short	bajo (m) baja (f)	I have... eyes.	Tengo los ojos...
strong	Fuerte	blue	azules
fat	gordo (m) gorda (f)	brown	marrónes
Days of the Week	lunes, martes, miércoles, Jueves, viernes, sábado, domingo.	green	verdes
I have hair.	Tengo el pelo...	black	negros
brown	castaño	Numbers 1-10	un, dos, tres, cuatro, cinco, seis, siete, ocho, nueve, diez
I have hair.	Tengo el pelo...		
brown	castaño		
Numbers 1-20	once, doce, trece, catorce, quince, 6 dieciséis, diecisiete, dieciocho, diecinueve, veinte		