

Year 5 – Spring 1

Science Crucial Knowledge

Materials - Properties

- Materials can be grouped based on their properties.
- Properties are the characteristics used to describe a material.
- Certain materials are used for specific jobs due to their properties.
- Durable means something is hard-wearing / strong.
- Transparency is where something is transparent (see-through).
- Electrical conductivity is how well electrical current can travel through something.
- Thermal conductivity is how well something can create heat.
- Magnetism is how well something is attracted to a magnetic force.
- Properties example: Glass is used for windows because it is hard, durable and transparent.

Geography Crucial Knowledge

It's a small world...or is it? Similarities & Differences between UK and European country.

- Italy is located on the continent of Europe:



- The climate in the UK is mainly temperate (mild summers and winters) and the climate in Italy is Mediterranean (hot summers and cold winters).
- The highest mountain peak in Italy is Mont Blanc and the highest mountain peak in the UK is Ben Nevis.
- The longest river in Italy is The Po and the longest river in the UK is The Severn.
- The UK has a larger population than Italy.
- The capital city of Italy is Rome.
- A famous physical feature in Italy is Mount Vesuvius which is a volcano located just outside of Naples.
- Countries that border Italy are France, Austria, Switzerland and Slovenia.

Art & Design Crucial Knowledge

Painting

- Tone is how light or dark something is.
- A complimentary colour is a colour that sits across from each other on the colour wheel.
- Tertiary colours are equal amount of primary and secondary colour.

Computing Crucial Knowledge

Data - Data and Information

- Technology can be used to sort data
- A database is a collection of data that is stored in a computer and that can easily be used and added to.
- Grouping and then sorting data allows us to answer questions
- Analysing data means to examine it in detail in order to explain and interpret it.
- Evaluating is to judge or calculate the quality, importance, amount, or value of something.
- **Vocabulary** database, data, information, record, field, sort, order, group, search, value, criteria, graph, chart, axis, compare, filter, presentation.

Physical Education Crucial Knowledge

Rounders

- Technique is a way of carrying out a particular task
- Agility is how quickly you can change direction whilst maintaining speed, balance and power.
- Co-operation is when you work together with others to achieve a result.
- Run is to move quickly using your feet.
- Movement is when changing position, posture or place.
- Communicating with others giving and receiving information.
- Striking is when you hit a ball with a bat or racket.

	<ul style="list-style-type: none"> Competing means to do your best against others. Throw is to push an object by hand with a sudden forward motion ending with straightening the arm and wrist. Catching is to use the hands to stop and hold a moving object. Eyes on the object. Fingertips together (two handed catch) Catch the object, then grip it.
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

Religious Diversity (Happiness)	<ul style="list-style-type: none"> Humanism is a non-religious view of the world. Humanists believe that we can use science to understand the world around us. Humanists believe that we have one life and should seek happiness in it. Happiness can be found in material and spiritual values. Other religions all strive for peace and happiness in their lives.
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Personal, Social Health & Economic Education Crucial Knowledge

How can friends communicate safely?	<ul style="list-style-type: none"> We can communicate face to face, telephone, social media. Not everyone online is who they seem to be. Keep passwords safe. If you think someone may know your password – change it. Don't share photos or information you wouldn't want going elsewhere. Know who to speak to if something makes you feel uncomfortable.
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Music Crucial Knowledge

	Musical Learning	Key Musical Vocabulary
Three Little Birds	<ul style="list-style-type: none"> Duration is the length of time each note is played for. Rhythm is a pattern of long and short sounds. 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. Structure is the way a piece of music is organised. Timbre is the quality of a sound. Reggae is a style of popular music that originated in Jamaica. It has an offbeat rhythm. Bob Marley was a famous Reggae singer. 	

Spanish Crucial Knowledge

English	Spanish	English	Spanish
He / she has hair.	El / ella tiene el pelo...	sister	la hermana
brown	castaño	brother	el hermano
dark brown	moreno	baby	el bebé
black	negro	grandmother	la abuela
blonde	rubio	grandfather	el abuelo
red	pelirrojo	His/her name is...	Se llama...
He / she has... eyes.	El / ella tiene los ojos...	He is (adjectives). She is... (adjectives).	El es... Ella es...
blue	azules	tall	alto (m) alta (f)
brown	marrónes	short	bajo (m) baja (f)
green	verdes	strong	fuerte
black	negros	kind	amable
In my family, there is...	En mi familia hay...	chatty	hablador (m) habladora (f)
mother	la madre	funny	divertido (m) divertida (f)
		shy	tímido (m) tímido (f)