

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

- 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

- A database is an organised collection of structured information, or data that can be easily accessed, managed and modified.
- Technology can be used to sort data
- Grouping and then sorting data allows us to answer questions
- Collecting locating and organising data.
- Analysing examine (something) in detail to explain and interpret data and information.
- Evaluating is to judge or calculate the quality, importance, amount, or value of something.

Physical Education Crucial Knowledge

Rounders

- Technique is a way of carrying out a particular task

	<ul style="list-style-type: none"> 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. 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.
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 Don't share photos or information you wouldn't want to go elsewhere Know who to speak to if something makes you feel uncomfortable
French Crucial Knowledge – Unit 8	
Crucial knowledge question	Crucial knowledge answer
<ul style="list-style-type: none"> It is _____ o'clock. (numbers to 12) I play _____ at _____ o'clock. I watch _____ at _____ o'clock 	<ul style="list-style-type: none"> Il est _____ heures. Je joue _____ à _____ heures. Je regarde _____ à _____ heures.