

## 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.

	<ul style="list-style-type: none"><li>Striking is when you hit a ball with a bat or racket.</li><li>Competing means to do your best against others.</li><li>Throw is to push an object by hand with a sudden forward motion ending with straightening the arm and wrist.</li><li>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.</li></ul>		
Swimming	<ul style="list-style-type: none"><li>Swimming means to move through the water without touching the floor or side.</li><li>Flexibility is the range of movement through body joints.</li><li>Strength is a measure of power.</li><li>Technique is a way of carrying out a particular task.</li><li>Movement is when changing position, posture or place.</li><li>A pattern is when a movement or action is repeated.</li></ul>		
Religious Education Crucial Knowledge			
Religious Diversity (Happiness)	<ul style="list-style-type: none"><li>Humanism is a non-religious view of the world.</li><li>Humanists believe that we can use science to understand the world around us.</li><li>Humanists believe that we have one life and should seek happiness in it.</li><li>Happiness can be found in material and spiritual values.</li><li>Other religions all strive for peace and happiness in their lives.</li></ul>		
Personal, Social Health & Economic Education Crucial Knowledge			
How can friends communicate safely?	<ul style="list-style-type: none"><li>We can communicate face to face, telephone, social media.</li><li>Not everyone online is who they seem to be.</li><li><b>Keep passwords safe. If you think someone may know your password – change it.</b></li><li>Don't share photos or information you wouldn't want going elsewhere.</li><li>Know who to speak to if something makes you feel uncomfortable.</li></ul>		
Music Crucial Knowledge			
	Musical Learning	Key Musical Vocabulary	
Three Little Birds	<ul style="list-style-type: none"><li>Sing the verse in unison and the chorus in three parts.</li><li>Know what a triad is and how to play one.</li><li>Play the chords D and G major.</li><li>Follow a score of the chorus.</li><li>Play a melodic riff by ear.</li><li>Organise and rehearse for a performance.</li><li>Demonstrate knowledge and understanding of the origins, history, and social context of Reggae music.</li></ul>	<ul style="list-style-type: none"><li>Duration: offbeat, 4-beats per bar.</li><li>Pitch: chord, triad, D major, G major, melody, riff, bassline.</li><li>Structure: repeating riff, verse, chorus, chord pattern.</li><li>Timbre: electric guitar, bass guitar, drum kit, keyboard.</li><li>Texture: melody/chords, bassline, riff.</li><li>Other: Reggae, playing by ear, playing from a score.</li></ul>	
Spanish Crucial Knowledge			
English	Spanish	English	Spanish
What are you like?	¿Cómo eres?	I have .... hair.	Tengo el pelo...
I am..	Soy...	brown	castaño
tall	alto (m) alta (f)	dark brown	moreno
short	bajo (m) baja (f)	black	negro
strong	fuerte	blonde	rubio
kind	amable	red	pelirrojo
chatty	hablador (m) habladora (f)	I have... eyes.	Tengo los ojos...
funny	divertido (m) divertida (f)	blue	azules
shy	tímido (m) tímido (f)	brown	marrónes

Days of the Week	lunes, martes, miércoles, Jueves, viernes, sábado, domingo.	black	negros
Numbers 1-10	uno, dos, tres, cuatro, cinco, seis, siete, ocho, nueve, diez,		
Numbers 11-20	once, doce, trece, catorce, quince, dieciséis, diecisiete, dieciocho, diecinueve, veinte		