Year 6 Spring 1

Science Crucial Knowledge

Animals Including Humans
The circulatory system

- The circulatory system transports substances around the body. It includes the heart, veins, arteries, capillaries and blood.
- The heart is an organ. It constantly pumps blood around the circulatory system. The heart pumps blood to the lungs to get oxygen. It then pumps this oxygenated blood around the body.
- Veins, arteries and capillaries are the three types of blood vessels.
- Water and nutrients (substances needed by the body to function) are transported around the body through the digestive and circulatory systems.

Geography Crucial Knowledge

It's a small world…or is it?
Similarities & Differences between UK and a place in South America

- Brazil is located on the continent of South America:

South America

- The climate in the UK is mainly temperate (mild summers and mild winters) and the climate in Brazil is mainly tropical (hot and humid).
- The highest mountain peak in Brazil is Pico da Neblina and the highest mountain peak in the UK is Ben Nevis.
- The largest river in Brazil is The Amazon and the largest river in the UK is The Severn.
- Brazil has a larger population than the UK.
- The capital city of Brazil is Brasilia.
- One of the most famous human features in Brazil is the Christ the Redeemer statue which is in Rio de Janeiro.
- One of the most famous physical features in Brazil is The Amazon Rainforest.

Art & Design Crucial Knowledge

Painting

- Tertiary colours are equal amounts of primary and secondary colours.
- Neutral colours don't show up on colour wheel, e.g. white, black, beige.

Computing Crucial Knowledge

Data - Introducing spreadsheets

- Technology can be used to sort data
- Data can be words, numbers, dates, images and sounds
- Spreadsheets organise data into columns and rows under headings
- In Spreadsheets, formulas can be used to produce calculated data

- **Vocabulary**: data, collecting, table, structure, spreadsheet, cell, cell reference, data item, format, formula, calculation, spreadsheet, input, output, operation, range, duplicate, sigma, propose, question, data set, organised, chart, evaluate, results, sum, comparison, software, tools.

Physical Education Crucial Knowledge

Rounders

- Movement is when changing position, posture or place.
- Communicating with others giving and receiving information.
- Collaboration is working with others to achieve/create something.
- 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. • Striking is when you hit a ball with a bat or racket.
Tag rugby	• Attack is to try to move past and score against the opposing team. • Defend is to block the other team and stop them from scoring. • Throw is to push an object by hand with a sudden forward motion ending with straightening the arm and wrist. • Catching is the 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. • Communicating with others giving and receiving information. • Collaboration is working with others to achieve/create something.

Religious Education Crucial Knowledge

Taking Part	• The Parable of the Good Samaritan is a story from the Bible about helping others. • Charities are organisations designed to help others who are in need. • Lots of charities are run by different religious groups. • Christian charities (for example, The Salvation Army or Christian Aid) reflect Bible teachings. • Dana in Hinduism means giving. This includes giving money to charity and donations.

Personal, Social Health & Economic Education Crucial Knowledge

How can the media influence people?	• Not all social media is good - it can show a false representation of someone or something unachievable. This can cause a negative effect on wellbeing. • Not all social media is trustworthy – fake news can be spread on social media. • The social media you use should be age appropriate. • If something upsets you on social media, you should report it to a trusted adult. • **You can use technology to build a professional online profile.**

Spanish Crucial Knowledge

English	Spanish	Spanish
How old are you?	¿Cuántos años tienes?	rosa
I have …. years. He/she has… years.	Tengo… años. Tiene… años.	rojo
Where do you live?	¿Dónde vives?	azul
I live in…	Vivo en…	amarillo
Colours	Los colores	anaranjado / naranja
black	negro	marrón / café
white	blanco	verde
grey	gris	violeta
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	

Year 6	Musical Learning	Key Musical Vocabulary
Twinkle	Decipher a graphic score. Play *Twinkle, twinkle, little star.* Create variations using a wide variety of composing techniques. Improvise.	Dynamics: volume, louds and softs. Structure: passacaglia (a very old musical form featuring a repeating bassline with different events placed on top. Tempo: the speed of a piece of music.

		Other: score (a visual representation of music), orchestrate (choose which instruments play which parts of a music composition), improvise (music that is made up instantly with no prior preparation)