

Year 6 Summer 2

Science Crucial Knowledge

Animals Including Humans The impact of lifestyle

- Having a balanced diet that contains all the food groups is important.
- A healthy lifestyle (diet and exercise) has a positive effect on the body's functions.
- A drug is a substance containing natural or man-made chemicals that have an effect on your body when it enters your system.
- Drugs, alcohol and smoking have a negative effect on the body's functions.

History Crucial Knowledge

The Second World War

- The Second World War started in 1939 and lasted until 1945. It began over 80 years ago.
- There were 3 Prime Ministers during WWII. Winston Churchill was the PM who led Britain to victory.
- The war was fought between Britain, France, America and the Soviet Union (Russia) and Germany, Italy and Japan.
- German and British aeroplane fought in the skies over southern England in 1940. This was called the Battle of Britain.
- The spitfire was a fighter plane that was designed by Reginald Mitchell who came from Butt Lane (which is 3 miles away from Crackley Bank)
- The Germans used aeroplanes to drop bombs on British cities such as London and Manchester. This was called the Blitz.
- Children were taken away from the cities and their parents to escape the German bombs. This was called 'evacuation'.
- During the Second World War people could only get small amounts of food. This was called 'rationing'.

Design Technology Crucial Knowledge

Electrical Systems

More complex switches and circuits

- A motor creates movement and can be used to pull or rotate other parts.
- A bulb can be attached to a switch so it can turn on and off.
- A control box can be programmed to react to commands.

Computing Crucial Knowledge

Programming – Sensing

- An **algorithm** is a precise set of ordered instructions which can be turned into code
- **Coding** is how we communicate with computers. Code tells a computer what actions to take.
- Different programs act in different ways.
- **Sequence** - An order of events.
- **Selection** - the process of making a decision.
- **Repetition** - A repeat in code, repeating a sequence of instructions a certain number of times.
- **Variable**: something that can be changed.

Vocabulary: Micro:bit, MakeCode, input, process, output, flashing, USB, trace, selection, condition, if then else, variable, random, sensing, accelerometer, value, compass, direction, navigation, design, task, algorithm, step counter, plan, create, code, test, debug.

Music Crucial Knowledge

Leavers' Assembly - Performance

- Singing is to perform songs or tunes using our voices.
- An ensemble is when a group of people perform together.
- Pitch is how high or low a sound is.
- Dynamics are how loud or quiet the music is.
- Tempo is the speed of the music.
- The structure of a piece of music, is how it is put together.
- Compose is to write or create a piece of music.
- Texture in music means how the melody, tempo and sounds are combined to make a piece of music.

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.
- **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.
- **Striking** is when you hit a ball with a bat or racket.

Religious Education Crucial Knowledge

Justice: Rich and Poor

- Most faiths believe in the importance of charity and members donate money to support the place of worship and support the poor.
- Christians think charity is the highest form of love, showing the shared love between God and man.
- Jews think that everyone has a responsibility to help those suffering from poverty (the state of being extremely poor).
- Hindus believe that charity, or dana, is important because helping others is helping Brahman (the supreme God).
- Christian Aid (a charity) believes that poverty can be ended. This idea is based on religious teachings.

Personal, Social Health & Economic Education Crucial Knowledge

What will change as we become more independent?

How do friendships change as we grow?

- As you grow up you may find new friends and lose some friends as you mature. This may make you feel sad but understanding that it is part of life is important.
- Going to secondary school will promote independence for example: having to organise yourself, follow time tables, and time management.
- It is ok to be attracted to someone as we grow up; we discover different feelings for different people.
- Some people may choose to not marry.
- Marriage should be with consent and not forced.

Spanish Crucial Knowledge

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
Numbers 1-20	once, doce, trece, catorce, quince, 6 dieciséis, diecisiete, dieciocho, diecinueve, veinte		