

Year 2 Spring 2

Science Crucial Knowledge

Plants

- A seed is what a new plant grows from.
- A bulb is the part of some plants mostly under the ground that stores food while the plant is resting from growing.
- A plants needs air, light water nutrients and warmth.
- Without air, light water nutrients and warmth the plant will die.
- The water carries the nutrients and minerals from the ground, into and around the plant.

History Crucial Knowledge

Compare Queen Elizabeth I and Queen Elizabeth II.

- A monarch is a King or Queen.
- Queen Elizabeth II is our current monarch. She became Queen of England in 1952.
- Elizabeth I was Queen of England from 1558 – 1603. Queen Elizabeth I became Queen around 450 years ago.
- Queen Elizabeth I lived at Hampton Court Palace in London. Queen Elizabeth II lives at Buckingham Palace in London.
- When Elizabeth I was queen she mostly travelled by horse or by carriage. Elizabeth II travels mainly by car, train or aeroplane.
- There have been many new inventions during the reigns of both Queen Elizabeth I and Queen Elizabeth II.

Design Technology Crucial Knowledge

Food

Preparing fruit and vegetables

- Vegetables can be prepared and mixed together to make a salad
- A salad is served with another item to make a healthy meal

Computing Crucial Knowledge

Algorithms

Robot Algorithms

- An **algorithm** is a precise set of ordered instructions which can be turned into code
- Algorithms need to be written in a special language called code so digital devices, can understand them.
- **Coding** is how we communicate with computers. Code tells a computer what actions to take.
- Digital Device is something that has a computer inside to make it work like a washing machine or mobile phone.
- Debug is when you check for mistakes in your code.

Music Crucial Knowledge

Number - Pitch

- Singing is to perform songs or tunes using our voices.
- A tuned instrument is an instrument that plays set notes e.g. piano.
- An un-tuned instrument is an instrument that does not play set notes e.g. drums.
- Rhythm is the music's pattern in time (counted).
- Pitch is how high or low a sound is.

Story Time – Exploring Sounds

- Untuned instrument is an instrument that does not play set notes e.g. drums.
- Live music is music that is performed in front of an audience.
- Recorded music can be replayed after the performance has ended.
- Timbre is the quality of the sound of a voice or instrument.

Physical Education Crucial Knowledge

Invasion Games

Attacking / Defending

- Striking is when you hit a ball with a bat or racket.
- 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.
- Competitive sports are games where the aim of the games is to win
- Co-operation is when you work together with others to achieve a result.

Religious Education Crucial Knowledge

Belonging to a group

- A group is something you can be part of and can give you a sense of belonging.
- Groups can include your family, your class, football, cubs, brownies, faith groups.
- Faith communities believe a baby is a gift from God and welcome it into their faith group.
- Christians baptise their babies to welcome them into the Christian faith community.
- An Aqiqah ceremony is a Muslim ceremony that will welcome their new baby into the Ummah (Muslim community).

Personal, Social Health & Economic Education Crucial Knowledge

What jobs do people do?

- Jobs help people earn money to pay for things they need and want.
- There are lots of different types of jobs
- There are jobs that care or help others, build or mend things, sell things, make food and other items.