

## Year 1 Spring 2

### Science Crucial Knowledge

#### Plants

- A plant has roots and grows in the ground.
- Roots are part of the plant that attaches it to the ground.
- Plants have leaves, stems or trunks and roots. Some have flowers or seeds.
- Stems are the part of the plant that hold it up and carry water to the rest of the plant.
- Flowers are the part of the plant that blossoms and produces the seeds.
- Deciduous trees lose its leaves in the Autumn and stays bare until Spring.
- An evergreen tree keeps its green leaves all year round, even in Winter.

### History Crucial Knowledge

#### How have things changed since the 1960s?

- The 1960s happened around 60 years ago.
- Most families did not own a car. If they wanted to go somewhere, they would walk or bike. Some people might take the bus or train.
- Television existed but most were just black and white. These TVs only had 3 channels.
- There were no mobile telephones. If a family had a phone, they had one and it was attached to the wall. Most people used the red phone box down the street.
- Children would play outside. Their toys and games were not electronic.
- People were lucky if they were able to go on holiday. If they went the usually stayed in the UK.

### Design Technology Crucial Knowledge

#### Structures Freestanding structures

- A frame is a structure that surrounds something such as a picture, door, or windowpane
- Straws can be joined to make a frame
- Straws can be joined by using pipe cleaners
- The frame can be made stronger by attaching triangles in the corners of the straws

### Computing Crucial Knowledge

#### Programming - Moving a robot

- Programming is when you give to give an algorithm to a digital device so it can complete its action.
- An **algorithm** is a list of rules or instructions
- Algorithms need to be written in a special language called code so digital devices, can understand them.
- 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

#### Machines – Beat

- Rhythm is the music's repeated pattern in sounds.
- Tempo is the speed of the music.

#### Seasons – Pitch

- Pitch is how high or low a sound is.
- Singing is to perform songs using our voices.
- Duration is how long a piece of music is.
- The structure of a piece of music, is how it is put together.

### Physical Education Crucial Knowledge

#### Team Games (Attacking and Defending)

- Throw is to push an object by hand.
- Catching is the use the hands to stop and hold a moving object.
- 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.

### Religious Education Crucial Knowledge

#### Celebrations

- Celebrations are a way to mark or remember a special moment.
- Christians celebrate special moments from Bible stories.
- Easter is a Christian celebration that remembers when Jesus rose from the dead.
- Passover is a Jewish celebration where Jewish families celebrate together.

## Personal, Social Health & Economic Education Crucial Knowledge

What can we do with money?

- Money is something we use to pay for things
- Money can be coins or paper and they have different values.
- We can get money by earning it, being given it or winning it
- Some things cost more money than others – a car will cost more than a [bicycle](#).
- Some people keep their money safe in their purse, wallet or in the house.
- Some people keep some of their money in the bank.