

# Year 4 Spring 1

## Science Crucial Knowledge

**Animals Including Humans**  
Food Chains

- Food chain – The process of how animals and humans get their food.
- All food chains start with a producer which is always a plant that converts the sun's energy into food.
- Animals then eat the producer and are called consumers.
- Sometimes animals eat other animals. These are called predators.

## Geography Crucial Knowledge

**It's a small world...or is it?**  
Name and locate countries

- Locate the UK, France, Spain, Germany, Italy, Greece, Russia, Poland, Romania, Hungary.
- There are 23 countries in North America.
- The largest country in North America is Canada.



- There are 12 countries in South America.
- The largest country is Brazil.



## Art & Design Crucial Knowledge

**Painting**

- Shade is a darker version of a colour.
- Tint is a lighter version of a colour.
- Complimentary colours sit across from each other on the colour wheel.

## Computing Crucial Knowledge

**Data - Data Logging**

- **Data** is information stored on a computer.
- Technology can be used to sort data.
- **Input:** Data provided to a computer system, such as via a keyboard, mouse, microphone, camera or physical sensors such as data loggers.
- Data Loggers collect 'data points' from sensors over time
- Analysing examine (something) in detail to explain and interpret data and information.

## Physical Education Crucial Knowledge

**Invasion: tag rugby**

- Competitive sports are games where the aim of the game is to win
- Collaboration is working with others to achieve/create something.

	<ul style="list-style-type: none"> <li>• Competing means to do your best against others.</li> <li>• Attack is to try to move past and score against the opposing team.</li> <li>• Defend is to block the other team and stop them from scoring.</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 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.</li> </ul>
<b>Striking &amp; Fielding: rounders</b>	<ul style="list-style-type: none"> <li>• Technique is a way of carrying out a particular task</li> <li>• Agility is how quickly you can change direction whilst maintaining speed, balance and power.</li> <li>• Co-operation is when you work together with others to achieve a result.</li> <li>• Run is to move quickly using your feet.</li> <li>• Movement is when changing position, posture or place.</li> <li>• Communicating with others giving and receiving information.</li> <li>• Striking is when you hit a ball with a bat or racket.</li> </ul>
<b>Spring 1</b>	
<b>Commitment</b>	<ul style="list-style-type: none"> <li>• Easter is the most important festival in the Christian calendar.</li> <li>• Fasting means to go without food or water.</li> <li>• Lent is a time when Christians remember Jesus' fasting in the desert.</li> <li>• Lent is the time (40 days not including Sundays) leading up to Easter.</li> <li>• Lent is a time of giving things up e.g. meat, fish, fats, eggs, and milky foods.</li> <li>• The day before Lent starts is called Shrove Tuesday. (This is also known as Pancake Day).</li> <li>• Lent starts on Ash Wednesday.</li> </ul>
<b>Personal, Social Health &amp; Economic Education Crucial Knowledge</b>	
How can we manage risk in different places?	<ul style="list-style-type: none"> <li>• Risk is something which may harm you or others.</li> <li>• There are risks in our daily lives e.g. roads, rail tracks, water.</li> <li>• To be safe online we should not share personal information.</li> <li>• To be safe online we should only play games that are age appropriate.</li> <li>• You should report anything which makes you feel uncomfortable, unhappy or scared to a trusted adult.</li> </ul>
<b>French Crucial Knowledge</b>	
<b>Crucial knowledge question</b>	<b>Crucial knowledge answer</b>
<ul style="list-style-type: none"> <li>• Members of the family – father, mother, sister, brother, parents</li> <li>• The French alphabet</li> </ul>	<ul style="list-style-type: none"> <li>• Mon père, ma mère, ma soeur, mon frère, mes parents</li> <li>• The written alphabet is the same but it is pronounced differently in French. Different letters include ê, ô, â, û, î, ç, è, é, ù, à</li> </ul>