

## Year 5 -Summer 1

### Science Crucial Knowledge

#### Materials - Changes

- Sieving is where small and large materials can be separated by allowing the smaller ones to fall through the holes in the sieve.
- Filtering is where the solid particles get caught in the filter, but the liquid moves through it.
- Solubility is where something can be dissolved in water.
- Evaporating is where the liquid changes into a gas leaving the solid part behind.
- Some changes are reversible – meaning they can go back again such as ice and water.
- Some changes are irreversible because they form a new material – for example burning wood produces a new substance ash.

### Geography Crucial Knowledge

#### This is Our Earth Settlements & land use etc.

- A place where people live is called a settlement.
- Types of settlement are: hamlet, village, town, city, market town, port.
- A rural area is a settlement in the countryside with few buildings and an urban area is a settlement with lots of buildings, facilities and transport links.
- Land can be used in many ways such as residential, agricultural, recreational, transportation, commercial.
- Trading is when countries buy or sell goods or services.
- Imports are goods purchased from another country and brought in. Exports are goods or services made in a country and then sold to another.
- Fair trade is a way of buying and selling products that allows farmers to be paid fairly for their produce and have better working conditions.

### Art & Design Crucial Knowledge

#### Sculpture

- Carving means to use tools to scrape away parts of the clay.
- ‘Coiling’ clay means to spiral the clay in an upward motion to form a shape.
- ‘Relief’ in clay is when a part is raised but still attached.

### Computing Crucial Knowledge

#### Creating Media – Vector Drawing

- Information Technology helps us to do a job, communicate or for entertainment.
- **Presenting** is when you can use a sequence of multimedia formats, such as images, video, audio and text to demonstrate knowledge or skilled learned.
- **Vector drawings** are made using shapes that are layered on top of each other.
- Each element of a vector drawing is called an object
- **Resizing**; making your shape bigger and smaller
- **Rotating**; Turing your shapes around
- **Duplicate**; making the same image again.

### Music Crucial Knowledge

#### At the Movies Composition

- 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.
- Compose is to write or create a piece of music.
- Timbre is the quality of the sound of a voice or instrument.

### Physical Education Crucial Knowledge

#### Net - Tennis

- Striking is when you hit a ball with a racket.
- Strength is a measure of power.
- Technique is a way of carrying out a particular task.
- Communicating with others giving and receiving information.
- Collaboration is working with others to achieve/create something.
- Competing means to do your best against others.
- Evaluate is to judge something.

#### Swimming

- Swimming means to move through the water without touching the floor or side.
- Flexibility is the range of movement through body joints.
- Strength is a measure of power.
- Technique is a way of carrying out a particular task.
- Movement is when changing position, posture or place.
- A pattern is when a movement or action is repeated.

Religious Education Crucial Knowledge	
Sacred texts	<ul style="list-style-type: none"> <li>• Sacred texts are texts related to a religion or faith.</li> <li>• Sacred texts offer guidance and stories with morals.</li> <li>• The Bible is the collection of sacred writings of the Christian religion and it is separated into books written by different people.</li> <li>• The Torah is the first part of the Jewish Bible and refers to the five books of the Hebrew Bible.</li> <li>• The Veda is the sacred text of Hindu religion. Veda means “knowledge.”</li> </ul>
Personal, Social Health & Economic Education Crucial Knowledge	
How can drugs common to everyday life affect health?	<ul style="list-style-type: none"> <li>• Caffeine, alcohol, nicotine, medicines are all drugs</li> <li>• Some drugs have age restrictions because of the effect they may have on the user – i.e. nicotine and alcohol</li> <li>• Some people choose to use drugs to fit in (peer pressure)</li> <li>• There is help for people with regards to drugs- organisations can help</li> <li>• You should speak to a trusted adult if you are worried about yourself or others</li> </ul>
French Crucial Knowledge	
Crucial knowledge question	Crucial knowledge answer
<ul style="list-style-type: none"> <li>• Clothing – t-shirt, hat, skirt, trousers, jacket, shirt.</li> </ul>	<ul style="list-style-type: none"> <li>• Les vêtements – t-shirt, un chapeau, une jupe, un pantalon, une veste, une chemise.</li> </ul>