

Non-fiction texts about the water cycle



Prior Knowledge

Children will have investigated different types of materials in previous years but will not have classified them as solids, liquids or gases. They will have observed changes of state (Such as ice melting or water evaporating) and the physical properties of solids, liquids and gases.



Cross curricular links/visits

English: Report writing, including predictions and conclusions. Maths: Use venn diagrams, tables, keys and line graphs to record and present information. Measuring accurately using different units of measurement.

Key facts

- Electricity can be used through mains connections or battery powered.
- A circuit needs a power source, such as a cell, in order to work.
- A circuit needs to be complete, with no breaks, in order to power anything it is connected to.
- A switch can be used to safely open or close a circuit, switching off anything it is connected to.
- Some materials conduct electricity more than others, therefore allowing electricity to pass through.
- Other materials do not conduct electricity at all.





Prior Knowledge

Children will have prior practical experience with electrical appliances and devices outside of school. They may have an understanding of simple circuits and how to keep themselves safe when working with electricity.

Key Vocabulary	
Electricity Circuit Switch Battery Plug Mains Appliance Device Wire Crocodile clip	Bulb Buzzer Connection Power Cell

Cross curricular links/visits

English: Report writing, including predictions and conclusions. Presenting factual information in a variety of ways. Computing: Navigating the internet to research and learn about electricity. Present information digitally. Maths: Use venn diagrams and tables to record and present information.



Models and examples of teeth and digestive system Fabric to imitate the digestive system



Prior Knowledge

Children will have prior knowledge of simple food chains, understanding the role of predators and prey. They may have prior knowledge of the digestive system or teeth, linked to their learning about healthy eating in Year 3.

Key Vocabulary		
Incisor	Stomach	
Molar	Small	
Canine	intestine	
Jaw	Large	
Digestion	intestine	
Chew	Rectum	
Digestive	Anus	
System	Faeces	
Nutrition	Food chain	
Saliva	Producer	
Oesophagus	Predator	

Cross curricular links/visits

English: Report writing, including predictions and conclusions. Maths: Use flow diagrams to explain scientific processes. Computing: Present our findings digitally.

Key facts

- Sounds can be created when something vibrates.
- Sound waves travel through the air to our ears.
- Higher pitch sounds have a tighter sound wave than lower pitch sounds.
- Loud sounds have a larger sound wave than quieter sounds.
- Sounds get fainter if they are further away.
- Sound waves can be blocked or made fainter when an object prevents it from reaching your ears.
- More energy makes a louder sound (Hitting a drum harder)





Prior Knowledge

In KS1, children will have

investigated the sounds created by instruments and their own voice. They will understand that they can make sounds louder or quieter by changing the way it is produced. Some children may be aware that sound travels in waves.

Key Voc	abulary
Sound	Transmit
Noise	Source
Loud	Sound waves
Quiet	Medium
Silent	
Vibrations	

Cross curricular links/visits

English:

Computing: Recording sounds being made. Maths: Timing and measuring distances between sounds.

Music: Children will explore creating sounds of different pitch or volume.





Prior Knowledge

Children will have investigated living things and their habitats during their Forest School sessions and throughout their experiences both inside and outside of school. Children will be able to name some examples of native creatures or plants.

'Never been	Climate
alive'	Greenhouse
Branching database Environment Adapt	Threat Change Local

Cross curricular links/visits

English: Computing: Maths: Music: