

Sticky Knowledge- Science

Class – Willows

Year 4



Animals including Humans

Autumn 1

- Can I identify and name parts of the human digestive system?
- Can I explain the functions of the digestive system?
- Can I identify the types and functions of teeth?
- Can identify the types and functions of teeth?

States of Matter

Autumn 2

- Can I sort and describe materials?
- Can I investigate gases and explain their properties?
- Can I investigate materials as they change state?
- Can I explore how water changes state?
- Can I investigate how water evaporates?
- Can I identify and describe the different stages of the water cycle?

Sound

Spring 1

- Can I describe and explain sound sources?
- Can I explain how different sounds travel?
- Can I explain how the pitch of sound changes?
- Can I investigate ways to absorb sound?

Habitats

Spring 2

- Can I group living things in a range of ways?
- Can I identify vertebrates by observing their similarities and differences?
- Can I use evidence to identify an invertebrate?
- Can I show the characteristics of living things in a table and a key?
- Can I recognise positive and negative changes to the local environment?

Electricity

Summer 2

- Can I identify common appliances that run on electricity?
- Can I identify circuit components and build working circuits?
- Can I investigate whether circuits are complete or incomplete?
- Can I investigate which materials are electrical conductors or insulators?
- Can I explain how a switch works in a circuit, build switches and report my findings?
- Can I discuss and solve problems about electricity using reasoning skills?