

Science Learning Journey

EYFS

Life Cycles
Seasons
Growing and changes
Healthy eating and keeping our bodies healthy. Looking after our teeth.

Year One

Autumn to winter
Working scientifically
Everyday materials
Spring to summer
Plants
Animals, including Humans

Year Two

Uses of everyday materials
Living things and their habitats
Animals, including humans. Developing understanding of what living things need to survive and thrive

Year Five

Properties and changes to materials. Reversible and irreversible changes.
The Earth and space including weather systems
Forces
Living things and their habitats including differences in life cycles between different animals and plants.
Human development to old age

Year Four

Animals, including humans: systems of the body.
Diet and food chains. Classification of living things. Habitats.
Electricity and understanding circuits
How sound is produced and heard
States of matter and the water cycle

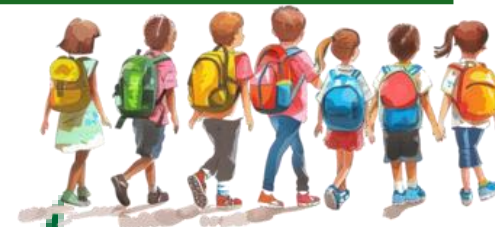
Year Three

Comparing and grouping types of rocks & learning about how they are formed
Light and shadows
Magnets and Forces
Plants – parts and functions of these. Life cycle of flowering plants.

Year Six

Living things and their habitats. Carl Linnaeus and classification.
Electricity and changes to circuits

Light, scientific instruments and natural phenomena
Evolution and inheritance
Role of key organs in the body and impact of drugs and lifestyle on the body



Intent

At St Luke's Park Primary School, we aim to ignite curiosity about the natural world and develop a solid foundation in scientific knowledge and skills. Our pupils are encouraged to ask questions, explore, and apply scientific principles to understand and engage with the world around them.

Implementation

Science is taught weekly, unless the unit requirements mean that 'blocking' a series of lessons will be beneficial.

Children are encouraged to think about the world scientifically: planning investigations in order to investigate and develop their understanding of the world and life processes.

Teachers draw on resources from a range of areas, including White Rose Science and Twinkl in order to develop engaging lessons with a strong practical element.

Written recording is used in some sessions, with processes and observations recorded. Recording may also be in the form of pictures and diagrams. Children may be assessed verbally, as teachers ask questions and allow children to express their ideas within class session.

Impact

Pupils at St Luke's Park will leave with a strong sense of curiosity, critical thinking skills, and a deep understanding of the natural world. They will be equipped to make informed decisions, appreciate scientific developments, and confidently apply their knowledge to real-world challenges.

