



**Curriculum Intent:**

It is our aim to help children understand that science is all around us.

By giving children the skills to question their surroundings and how we are all affected by our environment, we can develop our children into scientific thinkers.

Throughout their time at St Andrew’s C.E Primary School, children will develop the ability to investigate a wide variety of scientific topics, each year building on the investigation skills they have been previously taught.

**Implementation:**

In ensuring high standards of teaching and learning in science, we implement a curriculum that is progressive throughout the whole school. To ensure full coverage of the science curriculum at St Andrew’s, all teachers follow the Lancashire scheme of work, making cross curricular links where possible.

We ensure that all children are provided with rich learning experiences that aim to:

- Prepare our children for life in an increasingly scientific and technological world today and in the future.
- Help our children acquire a growing understanding of the nature, processes and methods of scientific ideas.
- Help develop and extend our children’s scientific concept of their world.
- Build on our children’s natural curiosity and developing a scientific approach to problems.
- Develop the use of scientific language, recording and techniques.
- Make links between science and other subjects.

Units covered in Key Stage 1

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	Animals – Other Animals	Seasonal Change	Plants: Common names and basic structure	Seasonal Change	Everyday Materials	Animals - Humans
Year 2	Environment – Living things and their habitats	Animals – Animal survival and growth	Health – How we grow and stay healthy	Plants – Plant growth	Environment – Living things and their habitats	Material Properties – Uses of materials

## Units covered in Key Stage 2

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3	Animals – Skeletons and movement	Animals – Health and Nutrition	Material Properties - Rocks	Forces and Magnets	Light and Astronomy – Light, reflections and shadows	Plants – Functions of parts of a plant
Year 4	Electricity	Sound	Animals – Teeth, Eating and digestion	Material Properties and changes – States of Matter	Material Properties and changes – States of Matter	Environment – Living things and their habitats
Year 5	Material Properties – Testing material properties	Material Changes – Reversible and irreversible changes	Light and Astronomy – Earth and space	Forces – Effects on movement	Environment – Observing life cycles	Animals – Human life cycles
Year 6	Living Things and their habitats – Evolution and Inheritance	Light and Astronomy – How light travels	Animals/Health – Exercise, Health and the Circulatory System	Living Things and their habitats – Classification	Electricity	Electricity

### **Impact:**

The impact and measure of this is to ensure children not only acquire the appropriate age related knowledge linked to the science curriculum, but also to inspire them to be scientifically curious in their daily lives.

All children will have:

- A wider variety of skills linked to both scientific knowledge and understanding, and scientific enquiry/investigative skills.
- A richer vocabulary which will enable to articulate their understanding of taught concepts.
- High aspirations, which will see them through to further study, work and a successful adult life.

At St Andrew’s CE Primary School, we are committed to creating life-long learners who will be equipped with the knowledge, skills and drive to contribute positively to an ever-changing world.