

Principles of Teaching Science at St Peter's Primary School



We know good science teaching and learning is happening when...

'Nothing in life is to be feared, it is only to be understood'. Marie Curie

'In the long history of humankind (and animal kind, too) those who learned to collaborate and improvise most effectively have prevailed.' (Charles DARWIN)

- Children at St Peter's **understand** what Science is, what it is for and why we do it. They acquire **knowledge capital**.
- They are **inquisitive**, and they are encouraged to **question** and **investigate**.
- They can explain the importance of science in the world. They have **aspiration** for the future.
- Children demonstrate an **enjoyment** of Science, being able to **talk** and **discuss** their thoughts, feelings and opinions using scientific **vocabulary**.
- The use of explicit **modelling** of concepts features prominently within **progressive** sequences of lessons.
- The children **engage** in science and **demonstrate working scientifically skills** through the **five strands of enquiry**:
 - Observing over time
 - Identifying and classifying
 - Pattern seeking
 - Research using secondary sources
 - Fair testing
- At St Peter's it is understood that **working scientifically** skills are taught alongside the **knowledge content** of the curriculum.

'Wisdom begins with wonder'. Socrates

'The important thing is to never stop questioning'. Einstein