



**Pattern seeking**



**Identifying, Classifying and Grouping**

**Researching**  
using secondary sources





**Comparative or fair testing**  
(controlled investigations)



**Observing over time**



**Problem Solving**




# Science Vision and Principles

At All Saints' School, the teaching of science promotes a curiosity and a love of learning, nurturing children's awe and wonder and encouraging them to develop an understanding and respect for the natural world.

In order to do this we ensure that:

## Children:

- Understand previous learning
- Ask questions
- Try out their ideas
- Experiment
- Discuss
- Record in different ways
- Use key vocabulary

## Teachers:

- Ask questions
- Share key vocabulary
- Address misconceptions
- Allow exploration
- Model ideas
- Subject knowledge
- Plan scientific enquiry
- Link learning to previous learning
- Link learning to children's interests
- Adapt learning to different learning styles

## The Curriculum includes:

- Key objectives
- Questions
- Working scientifically objectives
- All types of enquiry
- Progressive
- Key vocabulary
- Practical activities
- Group and paired work
- Discussion

Asking questions
Simple Tests
Observing
Gathering and recording data
Identifying and classifying
Answers to questions

Asking questions
Plan Tests
Observations and measurements
Gathering and presenting data
Identify differences, similarities, changes
Conclusions
Suggest improvements    Raise further questions

Asking questions
Plan Tests
Observations and measurements
Gathering and presenting data
Identify causal relationships
Show evidence to support ideas
Conclusions using evidence
Suggest improvements    Raise further questions