



# Science (Working Scientifically) at Bewley Primary School

## Planning and controlling var

Can I take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate?

Can I record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs?

Can I use test results to make predictions to set up further comparative and fair tests, report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations, identify scientific evidence that has been used to support or refute ideas or arguments?

Year 6

Year 5

Year 4

Year 3



Surinda - Science

Year 2

Year 1

Reception

Nursery



Plan



Do



Record



Review

Can I ask relevant questions and use different types of scientific enquiries to answer them, set up simple practical enquiries, comparative and fair tests?

Can I make systematic and careful observations and, where appropriate, take accurate measurements using standard units, use a range of equipment, including thermometers and data loggers?

Can I gather, record, classify and present data in a variety of ways to help in answering questions, record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables?

Can I report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions, use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions, identify differences, similarities or changes related to simple scientific ideas and processes, use straightforward scientific evidence to answer questions or to support their findings?

Can I ask simple questions and recognising that they can be answered in different ways?

Can I observe closely, using simple equipment, perform simple tests, identify and classify?

Can I gather and record data to help in answering questions?

Can I use my observations and ideas to suggest answers to questions?

• **3-4 yrs: CAL (LAU)** Can I understand 'why' questions, like: "Why do you think the caterpillar got so fat?" **Reception -CAL (LAU)** Can I use talk to help work out problems and organise thinking and activities, and to explain how things work and why they might happen?

**Reception -CAL (LAU)** Can I ask questions to find out more and to check what has been said to me? Can I explore the natural world around me and make observations?

Can I draw pictures of animals and plants?

**Reception -CAL (LAU)** Can I articulate my ideas and thoughts in well-formed sentences?

Can I describe events in some detail? Can I use new vocabulary in different contexts? Can I describe what I see, hear and feel whilst I am outside?

**ELG- CAL (LAU)** Can I make comments about what I have heard and ask questions to clarify my understanding?



Bright, Proud, Successful