



Christ the King Catholic Primary School Progression of Working Scientifically



This information is related to the disciplinary section of the planning and progression maps
(Disciplinary (NC Working Scientifically Statements))

FS1/2/KS1	Lower KS2	Upper KS2
Can ask simple questions.	Ask relevant questions.	Ask relevant questions and give own reasons/ideas/conclusions.
Perform simple tests.	Set up comparative and fair tests.	Set up comparative and fair tests and know the controlled variables.
Observe using simple equipment (including observations verbal explanations from what they have seen). Notice changes.	Make systematic and careful observations using standard measurements. Pattern Seeking.	Use accurate and precise measurements and repeat readings (knowing why these give more accurate results). Analyse data anomalies.
Gather and record simple data.	Gather and record data and use some simple graphs to record.	Record data and results of increasing complexity and with a variety of graphs. Use test results to set up further tests. Analyse data anomalies.
Identify and classify using simple differences and similarities.	Identify and classify using differences, similarities and changes.	Identify and classify using differences, similarities and changes and be able to use their own ideas for classification groups and give their reasons for their choice.
Use observations to suggest answers to simple questions.	Draw conclusions from findings.	Report findings and conclusions, causes and explanations which are written and oral.

N.B. NC states 'Pupils should read and spell scientific vocabulary at a level consistent with their increasing word reading and spelling knowledge at key stage 1'.