

		Key focus
P L A N	Ask questions and Plan Enquiry ???	KS1 1. Write a clear question 2. Predict what might happen in the results 3. Give a scientific reason for a prediction 4. Write a method.
		LKS2 1. Write a clear question showing what is to be investigated 2. Predict what the results will show 3. Give scientific reasons for observations 4. List factors that will need to keep it a fair test 5. Write an accurate method
		UKS2 1. Write a clear question showing the factors to be changed and factors to be measured (variables) 2. Predict what the results will show, giving scientific reasons for predictions 3. Explain factors that need to be considered to create a fair test 4. Identify scientific evidence that supports or refutes ideas.
	Set Up Enquiry 	KS1 1. List materials and equipment 2. Write a method using time connectives
		LKS2 1. Begin to set up simple enquiry (comparative and fair test) 2. List materials and equipment 3. Write an accurate method
		UKS2 1. Devise scientific inquiry (comparative and fair test) 2. List materials and equipment 3. Write an accurate method 4. Identify scientific evidence that supports or refutes ideas 5. Draw an accurate equipment diagram
D O	Observe and Measure 	KS1 1. Perform simple scientific tests 2. Make observations throughout the investigation 3. Record results
		LKS2 1. Perform scientific test 2. Make systematic observations and/or measure outcomes of investigation
		UKS2 1. Perform and devise scientific tests 2. Observe and/or take accurate measurements of the outcomes of investigation 3. Repeat testing where appropriate
	Record 	KS1 1. Identify and classify results 2. Begin to record results
LKS2 1. Discuss results 2. Record accurate evidence in a labelled results table, bar chart or labelled drawing		
		UKS2 1. Record evidence in a variety of labelled results tables e.g. bar charts. Line graphs, scatter graphs and tables. 2. Draw accurate equipment diagrams
R E V I E W	Interpret and Report 	KS1 1. Identify patterns or trends and classify results
		LKS2 1. Identify patterns or trends in results 2. Link results to prediction
		UKS2 1. Identify patterns or trends in results 2. Use scientific knowledge and vocabulary to explain patterns 3. Link results to prediction 4. Use patterns to draw comparative conclusions (e.g. '...er statements')
	Evaluation 	KS1 1. Talk about results 2. Start to use scientific knowledge to explain results
		LKS2 1. Start to use scientific knowledge to explain patterns 2. Suggest ways to improve the test 3. Identify differences and changes related to scientific ideas and processes 4. Identify scientific evidence that supports or refutes findings 5. Raise further questions based on findings.
		UKS2 1. Discuss the reliability of results 2. Consider improvements that could be made 3. Make suggestions how the investigation could be done again, extended or changed.

