	Overview of focussed practical assessments of scientific working – TAPS Any focussed assessment can be used in an open-ended enquiry.				Woolhampton CE Primary School	
	PLAN & DO				**Review**	
	Ask Qs + plan enquiry	**Set up enquiry**	**Observe + Measure**	**Record**	**Interpret + Report**	**Evaluate**
KS1 (age 5-7) Develop close observations.	Ask simple Qs and recognise that they can be answered in different ways.	Perform simple tests	Observe closely, using simple equipment.	Gather and record data to help in answering questions.	Identify and classify. Use appropriate scientific language to communicate ideas.	Use their observations and ideas to suggest answers to questions.
Suggested topic for focussed assessment.	Plants	Materials	Plants	Seasonal Changes Materials Living Things	Animals incl. Humans Living/Non Living	Animals incl Humans Materials
LOWER KS2 (age 7-9) Develop systematic approach	Ask relevant questions and use different types of scientific enquiries to answer them.	Set up simple practical enquiries, comparative and fair tests.	Make systematic and careful observations and, where appropriate, take accurate measurements using standard units, using a range of equipment, including thermometers and data loggers.	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.	Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions. Identify differences, similarities or	Use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions. Use straightforward scientific evidence to answer questions

					changes related to simple scientific ideas and processes	or to support their findings.
Suggested topic for focussed assessment.	Animals incl. Humans Sound	Forces	Plants Materials	Lining Things Light	Rocks and soils Electricity	Plants Forces Materials Animals
UPPER KS2 (AGE 9-11) Develop independence	Plan different types of scientific enquiries to answer their own questions, including recognising and controlling variables where necessary.	Use test results to make predictions to set up further comparative and fair tests.	Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.	Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.	Report and present findings from enquiries, including conclusions and causal relationships, in oral and written forms such as displays and other presentations, using appropriate scientific language	Explain degree of trust in results. Identify and evaluate scientific evidence (their own and others') that has been used to support or refute ideas or arguments.
Suggested topic for focussed assessment.	Materials Electricity	Materials Animals	Humans Forces Electricity	Materials Space Forces Living Things	Materials Space Living Things	Forces Evolution