Fir Tree Junior School
Curriculum Knowledge and Skills Progression
Science

	Year 3	Year 4	Year 5	Year 6
Questioning	Ask relevant questions.	Ask relevant questions and use different types of scientific enquires to answer them	Plan different types of scientific enquires to answer questions.	Plan different types of scientific enquires to answer questions, including recognising and controlling variables where necessary.
Observing	Observe closely using a variety of equipment.	Observe multiply things closely using a variety of equipment.	Make organise and careful observations and take accurate measurements using the right units using a range of equipment.	Make organise and careful observations and take accurate measurements using the right units using a range of equipment including thermometers and data loggers.
	Make organise and careful observations.	Make organise and careful observations and take accurate measurements.		
Testing	Set up simple practical investigations.	Set up simple practical investigations, compare things and make fair tests.	Set up practical investigations, compare things and make fair tests.	Set up complex practical investigations, compare things and make fair tests.
Findings / Recording and Results	Record findings using simple scientific language and drawings.	Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts and tables.	Record data and results of increasing complexity using scientific diagrams and labels.	Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.
	Report findings from investigations, including explaining by talking and writing them.	Report findings from investigations, including explaining by talking and writing them, displaying or presenting results and conclusions.	Report findings from enquiries, including conclusions or causal relationships.	Report 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.
	Displaying or presenting results and conclusions, explaining my findings from investigations.	Displaying or presenting results and conclusions, explaining my findings from investigations, including explaining by talking and writing them.	Present findings from enquiries, including conclusions or causal relationships.	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.

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Data Gatherin	Gather and present data in a variety of ways.	Gather, record and present data in a variety of ways to help in answering questions	Gather, record, sort and present data in a variety of ways to help in answering questions	Gather, record, sort and present data in a variety of ways to help in answering questions.
Concluding / Summarising	Use results to draw simple conclusions and make simple predictions.	Use results to draw simple conclusions, make predictions and suggest improvements.	Use results to draw simple conclusions, make predictions, suggest improvements and ask more questions.	Use results to draw detailed conclusions, make predictions, suggest improvements and ask more questions.
	Use clear scientific evidence to answer questions.	Use clear scientific evidence to answer questions or to support my findings.	Test results to make predictions to set up further tests.	Test results to make predictions to set up further comparative and fair tests.
Compar ing	Identify differences and similarities.	Identify differences, similarities or changes related to simple scientific ideas and processes.	Identify differences, similarities or changes related to some scientific ideas and processes.	Identify differences, similarities or changes related to complex scientific ideas and processes.