Working Scientifically Curriculum Map

Term	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
N1						
N2						
R						
1	Using observations to answer questions.	Gathering and recording data.	Performing simple tests.	Identifying and classifying	Identifying and classifying	Observing closely using equipment.
2	Observing closely, using simple equipment. Identifying and classifying. Gathering and recording data to help in answering questions.	Asking simple questions and recognising that they can be answered in different ways. observing closely, using simple equipment. Identifying and classifying Using their observations and ideas to suggest answers to questions gathering and recording data to help in answering questions.	Observing closely, using simple equipment. Using their observations and ideas to suggest answers to questions. Gathering and recording data to help in answering questions.	Asking simple questions and recognising that they can be answered in different ways. Observing closely, using simple equipment Identifying and classifying. Using their observations and ideas to suggest answers to questions. Gathering and recording data to help	Asking simple questions and recognising that they can be answered in different ways. Performing simple tests. Identifying and classifying. Using their observations and ideas to suggest answers to questions. Gathering and recording data to help in answering questions.	Asking simple questions and recognising that they can be answered in different ways. Observing closely, using simple equipment. Identifying and classifying. Using their observations and ideas to suggest answers to questions. Gathering and recording data to help in answering questions.

				in answering questions.		
3	Asking questions/observations Matching fossils and animals	Gather/record/classify Organising rocks into categories/tables	Identifying/Recording/Reporting Investigate the way water is transported in a variety of plants	Presenting data /Reporting findings Investigate food chains and nutrients	Observations/measuring in standard units/recording data Investigate shadows/reflections	Observations/Recoding data/Reporting – introduction to a fair test Parachutes Investigate friction surface types
4	Asking relevant questions Record findings Report using oral and written explanations, displays or presentations of results and conclusions Identifying differences, similarities or changes	Ask relevant questions Set up simple practical enquiries. Comparative and fair tests. Observe and measure using standard units Record findings Reporting on findings Use results to draw simple conclusions, make predictions Use straightforward scientific evidence to answer questions or to support their findings. .	Ask relevant questions and use different types of scientific enquiries to answer them. Set up simple practical enquiries, comparative and fair tests gathering, recording, classifying and presenting data in a variety of ways. Recording Reporting on findings Use results to draw simple conclusions, make predictions Identify differences, similarities or changes related to simple scientific ideas and processes using straightforward scientific evidence to answer questions or to support their findings.	Asking simple questions and recognising that they can be answered in different ways Observe closely, using simple equipment identifying and classifying using their observations and ideas to suggest answers to questions. Gathering and recording data to help in answering questions.	Asking relevant questions. Setting up simple practical enquiries, comparative and fair tests. Record findings Reporting on findings Using results to draw simple conclusions, Make predictions for new values, suggest improvements and raise further questions identifying differences, similarities or changes related to simple scientific ideas and processes	Ask relevant questions Make systematic and careful observations. Record Identify differences, similarities or changes related to simple scientific ideas and processes

5	Identify & classify – stages of human life cycle. Compare – similarities & differences. Research- changes during life cycle.	Fair Tests - gravity Comparative Tests – linked to air resistance and friction of surfaces. Present results identify & discuss anomalies	Research Pattern seeking – movement of the planets (link to sizes) Identify & classify – phases of the moon. Identify scientific evidence.	Compare & group materials Fair test, recording data & results.	Compare & group materials Fair test, recording data & results. Make predictions and Use test results to report and present findings.	Identify & classify – stages of life cycles. Compare – similarities & differences. Research- changes during life cycle.
6	Planning a scientific enquiry to answer a question: pulse test. Use test results to make predictions. Report and present findings and explain trust in results.	Planning a scientific enquiry to answer a question: microbes test. Measure and record results.	Identify scientific evidence that has been used to support ideas or arguments.			Planning a scientific enquiry to answer a question: comparing distance of light source to size of shadow. Measure and record results. Taking measurements: observing light phenomena.