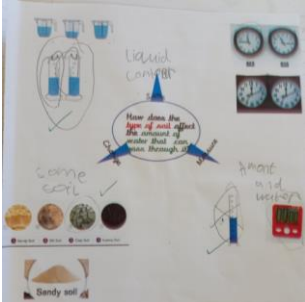



Working scientifically KS1 progression

	Questioning	Observing and measuring	Testing	Identifying and classifying	Gathering and recording data	Concluding
Year 1	What is a scientific questions? Ask simple questions and recognise that they can be answered in different ways e.g. Why are flowers different colours? Why do some animals eat meat and others do not?	Use simple equipment such as magnifying glasses and binoculars to observe closely	Perform simple tests e.g. Which materials keep things warmest? Know whether the test has been successful and can say what has been learned.	Identify and classify e.g. Mammals and birds. Wild vs garden plants	Gather and record data to help in answering questions. Use observations and secondary resources to collect data. With support record and present data using pre-made templates such as tables, pictures and charts.	Use his/her observations and ideas to suggest answers to questions
Year 2	Ask simple questions and recognise that they can be answered in different ways including use of scientific vocabulary from the national curriculum e.g. Why do some trees lose their leaves in autumn and others do not? How long are the roots of tall trees? Why do some animals have underground habitats?	Use simple equipment such as thermometers and rain gauges to observe closely changes over time	Perform simple comparative and fair tests e.g. Finding out how seeds grow best	Identify, group and classify according to a given criteria e.g. using a Venn Diagram	Gather and record data with increasing independence to help in answering questions including from secondary sources of information using drawings, labelled diagrams, block graphs or tables.	Use his/her observations and ideas to suggest answers to questions noticing similarities, differences and patterns

	Gathering and recording data	Tables	Investigation planning mindmap
Year 1	Gather and record data to help in answering questions	Pre-labelled tables are provided with space for cdm to record their data	<p>Sections have pictures for cdm to choose from to scaffold thinking</p>  <p>Teacher spends time modelling thinking through the investigation with class</p>
Year 2	Gather and record data to help in answering questions including from secondary sources of information using drawings, labelled diagrams, block graphs or tables.	<p>Partially labelled tables are provided with space for cdm to record their data</p> <p>Summer term</p> <p>Empty tables are provided with space for cdm to record their data</p>	 <p>Teacher spends time modelling thinking through the investigation with class. Children may fill in 'change' and 'measure' section</p>