

		Y1	Y2	Y3	Y4	Y5	Y6
Planning	<p>Having their own ideas– thinking of ideas; finding ways to solve problems; finding new ways to do things</p> <p>Making predictions</p> <p>Planning making decisions about how to solve a problem and reach a goal</p>	<p>Ask simple questions when prompted</p> <p>Suggest ways of answering a question</p>	<p>Ask simple questions</p> <p>Recognise that questions can be answered in different ways</p>	<p>Ask relevant questions when prompted</p> <p>Set up simple and practical enquiries, comparative and fair tests</p> <p>Set up comparative tests</p>	<p>Ask relevant questions</p> <p>Plan different types of scientific enquiries to answer questions</p> <p>Set up simple and practical enquiries, comparative and fair tests</p>	<p>With prompting, plan different types of scientific enquiries to answer questions</p> <p>With prompting, recognise and control variables where necessary</p>	<p>Plan different types of scientific enquiries to answer questions</p> <p>Recognise and control variables where necessary</p>
Conducting Experiments	<p>Testing their ideas</p> <p>Children use everyday language as they explore to talk about size, weight, capacity. They explore characteristics of everyday objects and shapes</p> <p>Children safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.</p>	<p>Make relevant observations</p> <p>Conduct simple tests, with support</p>	<p>Observe closely, using simple equipment</p> <p>Perform simple tests</p>	<p>Make systematic observations, using simple equipment</p> <p>Use standard units when taking measurements</p>	<p>Make systematic and careful observations using a range of equipment, including thermometers and data loggers</p> <p>Take accurate measurements using standard units, where appropriate</p>	<p>Select, with prompting, and use appropriate equipment to take readings</p> <p>Take precise measurements using standard units</p>	<p>Take measurements using a range of scientific equipment</p> <p>Take measurements with increasing accuracy and precision</p> <p>Take repeat readings when appropriate</p>
Recording Evidence	<p>Developing ideas of grouping , sequencing, cause and effect</p> <p>Children represent their own ideas, thoughts and feelings through design and technology, art, music, dance, role play and stories.</p>	<p>With prompting, suggest how findings could be recorded</p>	<p>Record and communicate their findings in a range of ways and begin to use simple scientific language</p>	<p>Record findings in various ways</p> <p>With prompting, suggest how findings may be tabulated</p> <p>With prompting, use various ways of recording, grouping and displaying evidence</p>	<p>Record findings using simple scientific language, drawings and labelled diagrams</p> <p>Record findings using keys, bar charts, and tables</p> <p>Gather, record, classify and present data in a variety of ways to help to answer questions</p>	<p>Take and process repeat readings</p>	<p>Record data and results of increasing complexity using scientific diagrams and labels</p> <p>Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables and bar charts</p> <p>Record data and results of increasing complexity using line graphs</p>
Reporting Findings	<p>Making links and noticing patterns</p> <p><u>Speaking:</u> Uses talk to organise, sequence and clarify thinking and ideas</p> <p>Gives meaning to marks they make as the draw, write and paint</p> <p>Children can make observations about plants and animals and explain why some things occur and talk about changes.</p>	<p>Recognise findings</p>	<p>Identify and classify</p>	<p>With prompting, suggest conclusions from enquiries</p> <p>Suggest how findings could be reported</p>	<p>Report on findings from enquiries, including oral and written explanations, of results and conclusions</p> <p>Report on findings from enquiries using displays or presentations</p>	<p>Record data and results</p> <p>Record data using labelled diagrams, keys, tables and charts</p> <p>Use line graphs to record data</p>	<p>Report and present findings from enquiries, including conclusions and causal relationships</p> <p>Report and presents findings from enquiries in oral and written forms such as displays and other presentation</p> <p>Report and present findings from enquiries, including explanations of, and degree of, trust in results</p>
Conclusions and Predictions	<p>Checking how well their activities are going</p> <p>Changing strategy as needed</p> <p>Reviewing how well the approach worked</p> <p><u>Understanding:</u> Listens and responds to ideas expressed by others</p> <p>Children can discuss similarities and differences between living things, objects and materials.</p>	<p>Gather and record data</p> <p>Use observations to suggest answers to questions</p>	<p>Gather and record data to help answer questions</p> <p>Use their observations and ideas to suggest answers to questions</p>	<p>Suggest possible improvements or further questions to investigate</p>	<p>Identify differences, similarities or changes related to simple scientific ideas and processes</p> <p>Use straightforward scientific evidence to answer questions or to support their findings</p> <p>Use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions</p>	<p>Report and present findings from enquiries, including conclusions and, with prompting, suggest causal relationships</p> <p>With support, present findings from enquiries orally and in writing</p> <p>Suggest further comparative or fair tests</p>	<p>Identify scientific evidence that has been used to support or refute ideas or arguments</p> <p>Use test results to make predictions to set up further comparative and fair tests</p>