

Dothill Progression Mapping



Science - Working Scientifically

Respect Happiness Responsibility Creativity HONESTY Enthusiasm Confidence Kindness Cooperation fairness

Process	EYFS/KS1	LKS2	UPKS2
Planning Investigations	<ul style="list-style-type: none"> Ask simple questions. Suggest ways of answering a question. Recognise that questions can be answered in different ways 	<ul style="list-style-type: none"> Ask relevant questions using prior knowledge. Plan different types of scientific enquiries to answer questions. Set up simple and practical enquiries, comparative and fair tests. 	<ul style="list-style-type: none"> Ask relevant questions using prior knowledge, linking theories to other scientific concepts. Plan different types of scientific enquiries to answer questions. Recognise and control variables where necessary.
Prediction	<ul style="list-style-type: none"> Use their observations and ideas to suggest answers to questions. 	<ul style="list-style-type: none"> Use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions. 	<ul style="list-style-type: none"> To use observations, prior scientific knowledge and scientific concepts to inform questions and testing.
Conducting experiment	<ul style="list-style-type: none"> Make relevant observations. Observe closely, using simple equipment. Perform simple tests. Conduct simple tests with support. 	<ul style="list-style-type: none"> Make systematic and careful observations using a range of equipment, including thermometers and data loggers. Take accurate measurements using standard units, where appropriate. 	<ul style="list-style-type: none"> Take measurements using a range of scientific equipment. Take precise measurements using standard units. Take repeated readings when appropriate.
Recording results	<ul style="list-style-type: none"> Recognise findings. Identify and classify. 	<ul style="list-style-type: none"> Record findings using simple scientific language, drawings and labelled diagrams. Record findings using keys, bar charts, and tables. Gather, record, classify and present data in a variety of ways to help answer questions. 	<ul style="list-style-type: none"> Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables and bar charts. Record data and results of increasing complexity using line graphs.
Conclusion	<ul style="list-style-type: none"> Gather and record data to help answer questions. Recognise findings. Identify and classify. 	<ul style="list-style-type: none"> Report on findings from enquiries, including oral and written explanations, of results and conclusions. Report on findings from enquiries using displays or presentations. Identify differences, similarities or changes related to simple scientific ideas and processes. Use straightforward scientific evidence to answer questions or to support findings. 	<ul style="list-style-type: none"> Identify scientific evidence that has been used to support or refute ideas or arguments. Use test results to make predictions to set up further comparative and fair tests.