



## Progression of Scientific Enquiry Skills



EYFS	Key Stage 1
Show curiosity about objects, events and people <i>Playing &amp; Exploring</i> Questions why things happen: <i>Speaking: 30-50 months</i>	Explore the world around them and raise their own simple questions
Engage in open-ended activity: <i>Play and Explore</i>	Experience different types of science enquiries, including practical activities
Take a risk, engage in new experiences and learn by trial and error <i>Playing &amp; Exploring</i>	Begin to recognise different ways in which they might answer scientific questions
Find ways to solve problems / find new ways to do things / test their ideas <i>Creating &amp; Thinking Critically</i>	Carry out simple tests
Develop ideas of grouping, sequences, cause and effect <i>Creating &amp; Thinking Critically</i> Know about similarities and differences in relation to places, objects, materials and living things. <i>ELG: The World</i>	Use simple features to compare objects, materials and living things and, with help, decide how to sort and group them ( <i>identifying and classifying</i> )
Comments and asks questions about aspects of their familiar world such as the place where they live or the natural world <i>The World: 30-50 months</i>	Ask people questions and use simple secondary sources to find answers
Closely observes what animals, people and vehicles do <i>The World 8-20 months</i> Use senses to explore the world around them <i>Playing &amp; Exploring</i>	Observe closely using simple equipment With help, observe changes over time
Make links and notice patterns in their experience <i>Creating &amp; Thinking Critically</i>	With guidance, they should begin to notice patterns and relationships
Choose the resources they need for their chosen activities <i>ELG: Self Confidence &amp; Self Awareness</i> Handle equipment and tools effectively <i>ELG: Moving &amp; Handling</i>	Use simple measurements and equipment (e.g. hand lenses, egg timers) to gather data
Create simple representations of events, people and objects <i>Being Imaginative: 40-60+ months</i>	Record simple data
Answer how and why questions about their experiences <i>ELG: Understanding</i> Make observations of animals and plants and explain why some things occur, and talk about changes <i>ELG: The World</i>	Use their observations and ideas to suggest answers to questions Talk about what they have found out and how they found it out
Develop their own narratives and explanations by connecting ideas or events <i>ELG: Speaking</i> Builds up vocabulary that reflects the breadth of their experience <i>Understanding: 30-50 months</i>	With help, they should record and communicate their findings in a range of ways and begin to use simple scientific language

