

APP Primary Science Assessment Guidelines: levels 3 and 4

	AF1 – Thinking scientifically	AF2 – Understanding the applications and implications of science	AF3 – Communicating and collaborating in science	AF4 – Using investigative approaches	AF5 – Working critically with evidence
L 4	<p>Across a range of contexts and practical situations pupils:</p> <ul style="list-style-type: none"> Use scientific ideas when describing simple processes or phenomena Use simple models to describe scientific ideas Identify scientific evidence that is being used to support or refute ideas or arguments 	<p>Across a range of contexts and practical situations pupils:</p> <ul style="list-style-type: none"> Describe some simple positive and negative consequences of scientific and technological developments Recognise applications of specific scientific ideas Identify aspects of science used within particular jobs or roles 	<p>Across a range of contexts and practical situations pupils:</p> <ul style="list-style-type: none"> Select appropriate ways of presenting scientific data Use appropriate scientific forms of language to communicate scientific ideas, processes or phenomena Use scientific and mathematical conventions when communicating information or ideas 	<p>Across a range of contexts and practical situations pupils:</p> <ul style="list-style-type: none"> Decide when it is appropriate to carry out fair tests in investigations Select appropriate equipment or information sources to address specific questions or ideas under investigation Make sets of observations or measurements, identifying the ranges and intervals used Identify possible risks to themselves and others 	<p>Across a range of contexts and practical situations pupils:</p> <ul style="list-style-type: none"> Identify patterns in data presented in various formats, including line graphs Draw straightforward conclusions from data presented in various formats Identify scientific evidence they have used in drawing conclusions Suggest improvements to their working methods, giving reasons
L 3	<p>Across a range of contexts and practical situations pupils:</p> <ul style="list-style-type: none"> Identify differences, similarities or changes related to simple scientific ideas, processes or phenomena Respond to ideas given to them to answer questions or suggest solutions to problems Represent things in the real world using simple physical models Use straightforward scientific evidence to answer questions, or to support their findings 	<p>Across a range of contexts and practical situations pupils:</p> <ul style="list-style-type: none"> Explain the purposes of a variety of scientific or technological developments Link applications to specific characteristics or properties Identify aspects of our lives, or of the work that people do, which are based on scientific ideas 	<p>Across a range of contexts and practical situations pupils:</p> <ul style="list-style-type: none"> Present simple scientific data in more than one way, including tables and bar charts Use scientific forms of language when communicating simple scientific ideas, processes or phenomena Identify simple advantages of working together on experiments or investigations 	<p>Across a range of contexts and practical situations pupils:</p> <ul style="list-style-type: none"> Identify one or more control variables in investigations from those provided Select equipment or information sources from those provided to address a question or idea under investigation Make some accurate observations or whole number measurements relevant to questions or ideas under investigation Recognise obvious risks when prompted 	<p>Across a range of contexts and practical situations pupils:</p> <ul style="list-style-type: none"> Identify straightforward patterns in observations or in data presented in various formats, including tables, pie and bar charts Describe what they have found out in experiments or investigations, linking cause and effect Suggest improvements to their working methods
BL					
IE					

Overall assessment (tick one box only)

Low 3

Secure 3

High 3

Low 4

Secure 4

High 4