

# Working Scientifically – Alverton Skills Progression Key Stage 1

Plan	Do	Review
<b>Identifying, Classifying and grouping</b>		
<p>I ask questions about how and why things are similar or different.</p> <p>I decide what to observe to identify or sort things.</p>	<p>I make comparisons between simple features of objects, materials or living things.</p> <p>I sort objects by observable and behavioural features.</p> <p>I record my observations, using words or pictures, in sorting circles or tables.</p>	<p>I identify similarities and differences and talk about them using simple scientific language.</p> <p>I use my observations to suggest how and why things are similar or different.</p> <p>I try to use my records to help sort or identify other things.</p>
<b>Observing over time</b>		
<p>I ask questions about how and why things change.</p> <p>With help, I identify changes to observe and measure and suggest how to do it.</p>	<p>I use non-standard units and simple equipment to observe or measure change.</p> <p>I record in words or pictures, or in simple prepared formats such as tables and charts.</p>	<p>I identify simple changes and talk about them using simple scientific language.</p> <p>I sequence the changes.</p> <p>I use my observations to suggest how and why things change.</p>
<b>Pattern seeking</b>		
<p>I ask questions about why and how things are linked.</p> <p>With help, I decide what patterns to observe and measure and suggest how to do it.</p>	<p>I use non-standard units and simple equipment to observe or measure events that might be related.</p> <p>I record in words or pictures, or in simple prepared formats such as tables, tally charts and maps.</p>	<p>I identify simple patterns and talk about them using simple scientific language.</p> <p>I make links between two sets of observations.</p> <p>I use my observations to suggest why and how things are linked.</p>
<b>Research using secondary sources</b>		
<p>I ask questions about the way things are and the way they work.</p> <p>With help, I make suggestions about how to find things out.</p>	<p>I use books and simple electronic media to find things out.</p> <p>I ask questions to find out what people do and to find out how things work.</p> <p>I record in words or pictures what I found out.</p>	<p>I begin to use simple scientific language to talk about what I have found out.</p> <p>I talk about whether the information source was useful and whether or not it answered my questions.</p> <p>I give an opinion about some of the things I found out.</p>
<b>Comparative and fair testing</b>		
<p>I ask questions about why and how and what if.</p> <p>With help, I notice links between cause and effect.</p> <p>With help, I plan simple comparative tests.</p>	<p>I use non-standard units and simple equipment to observe or measure data.</p> <p>I record in words or pictures, or in simple prepared formats such as tables and tally charts.</p>	<p>I interpret and talk about my data using simple scientific language.</p> <p>I use my observations to suggest why there are links between cause and effect.</p>