

## Knowledge and Skills progression in Science

<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Identification and classifying</p>	<p><b><u>Identifying and classifying</u></b>  compare observable and behavioural features of living things, materials and objects</p> <p>answer simple yes/no questions about a mystery object they have chosen</p> <p>once they have decided sorting criteria explain where further additional items could be placed</p> <p>use simple Venn diagrams to help sort things and record the groupings</p>	<p><b><u>Identifying and classifying</u></b>  sort and group in own way using both observable and behavioural features even when differences are slight</p> <p>sort into two groups in which one group has a feature and the other doesn't</p> <p>use simple Venn diagrams to help sort things and record the groupings</p>	<p><b><u>Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions</u></b>  use Carroll and Venn diagrams to help sort things and record the groupings, sometimes re-sorting using different criteria</p> <p>carry out simple tests and sort and group based on the evidence of the results found.</p>	<p><b><u>Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions</u></b>  make simple branching data bases/ classification keys to for a few (3-6) things with easily observable differences and that I can name</p> <p>use simple classification keys/ branching data bases to identify unknown items that have easily observable differences in their features</p>	<p><b><u>Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.</u></b></p>	<p><b><u>Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.</u></b>  be aware of the term kingdom and know that most scientists classify things into five kingdoms.</p> <p>through direct observations where possible classify animals into vertebrates and invertebrates.</p> <p>make keys and branching databases with 4 or more items</p> <p>evaluate how well keys and databases work and make changes to improve them</p> <p>explain why it is important to classify and why it is useful to scientists</p> <p>plan what to test, how to test and collect evidence in order to classify</p>
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