Progression in Presenting Findings- 24/25

This document is intended to give a medium term overview of data handling opportunities in science lessons. The content is mapped and organised into Year groups and terms. The intentionof this overview is to direct and support our teachers with the development of progressive data handling skills. **(See note below table)**

Data Handling Skills in Science – Progression over time.			
Year Group	**Autumn Term**	**Spring Term**	**Summer Term**
Early Years/ Foundation	Sorting into 2 different groups (given criteria) Ordering objects or items Counting results	Counting results Sorting into two different groups (adult chosen criteria) Comparing sizes (bigger/smaller/wider/thinner)	Drawing of results Counting results Sort into more than 2 different groups (child-chosen criteria)
Year 1	Sorting into 3 groups Counting results	Sorting into 4 groups Record in a table of results (teacher provided)	Simple Venn Diagrams (2 criteria) Block diagrams
Year 2	Tally charts Block diagrams Simple pictograms	Recording in table of results (headings given) Using a simple Carroll Diagrams	Block Diagram Simple Venn diagrams (2 criteria)
Year 3	Teacher guided table of results Using Carroll diagram Block diagram	Venn diagrams (3 criteria including outliers) Bar charts (horizontal direction)- criteria given- add title, x and y axis.	Teacher guided table of results- some sections blank and fill in together. Carroll Diagram
Year 4	Teacher guided intersecting Venn Diagram Creating Carroll diagram	Create own intersecting Venn Diagram Create Line Graph (teacher guided)	Teacher guided scatter graph Classification Key- pictorial
Year 5	Create and interpret information in a table Plot 3 sets of data on scatter graph (create own scales and plot y and x axis)	Table of results (Child chosen presentation) Produce Line graphs (Sum/ difference/ comparison)	Classification Key- words (provided with identification key) Interpret and present data in a bar chart
Year 6	Create and interpret scatter graph (own axis/ criteria/ scales/ labels) Construct table of results and calculate the mean	Create own classification key Produce and interpret line graphs and use line of best fit (calculate mean of data set)	Create and interpret bar charts (various increments) Interpret and construct Pie Charts

Note – some of these data handling skills e.g. the use of scatter graphs and lines of best fit, are not present in the maths curriculum but are within the science curriculum ONLY. They have to be covered for a child to achieve ARE at the end of Key Stage 2, as per the teacher assessment guidance by the DfE.