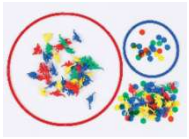
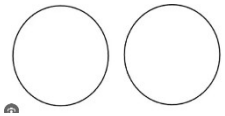
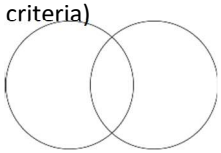
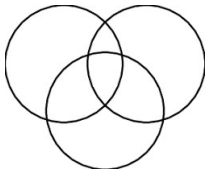
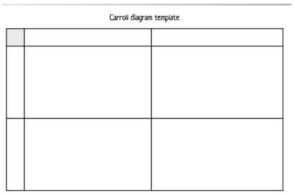
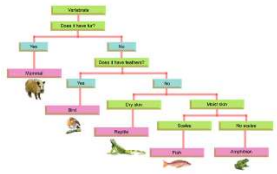
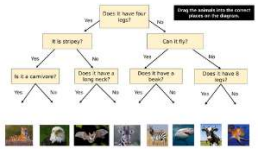
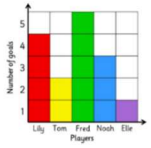
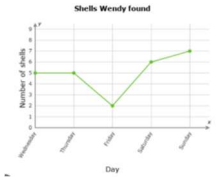
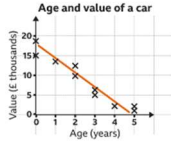
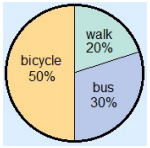
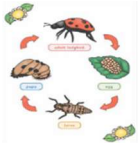
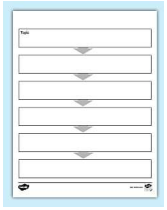
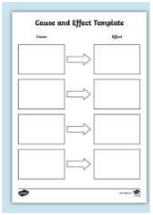
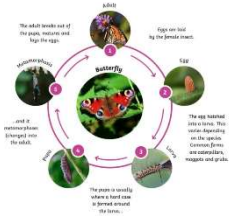
Science (Recording Methods) Essential Skills and Knowledge EYFS to Y6

Charnock Hall Primary Academy
A L.E.A.D. Academy

Aspect	EYFS	KS1		Lower KS2		Upper KS2	
	Reception	Y1	Y2	Y3	Y4	Y5	Y6
Sorting and Grouping	Sort objects into groups using physical resources 	Sort and group using hoops or circles 	Use **Venn diagrams** (2 criteria) 	Use **Venn diagrams** with abstract criteria (3 criteria) 	Use **Carroll diagrams** and use **simple classification keys** (Simple yes/no questions, 2–3 decision points. Based on observable features. Small number of organisms (4–6) 	Create and use **classification keys** (6 – 8 organisms) 	Use **classification keys** independently and explain groupings (8-12 organisms) 
Tables	Adult-scribed simple tables	Simple pictorial tables	Tables with headings Tally charts used independently to collect and total data	Tables including unit Tally charts used informally for data collection only	Tables with more than one variable	Results tables showing independent and dependent variables	Multi-variable tables with precision and consistency
Diagrams and Drawings	Annotated drawings	Labelled drawings	Labelled diagrams	Scientific diagrams	Annotated diagrams showing processes	Diagrams using scientific conventions	Accurate scientific diagrams used to explain concepts

Graphs			Block diagrams / simple block graphs 	Bar charts (scaled)	Comparative / dual bar charts	Line graphs (continuous data) 	Line graphs with interpretation, scatter graphs and pie charts.  
Sequencing and Processes	Simple sequencing (oral / pictorial)	Before-and-after drawings	Sequencing diagrams (life cycles) 	Flow diagrams 	Cause-and-effect chains 	Process diagrams with explanation 	Use diagrams to evaluate processes
Written Outcomes and conclusions	Verbal responses	Simple oral explanations	Simple written observations	Written conclusions with support	Explanations using data	Conclusions linked to variables	Evaluative conclusions using evidence