

Year	Skills
Y1	<ul style="list-style-type: none"> • Take observational photographs to find out about something • Use video and sound recording devices to record data to answer questions. • Sort and group pictures and objects by given and own criteria in a number of different ways • Match pictures and grouped objects to name labels • Ask questions to show what they want to find out • Record information using tallying and tables • Contribute to creating a pictogram • Create their own pictogram • Answer questions about a pictogram by counting.
Y2	<ul style="list-style-type: none"> • Think about what information they will need to collect to answer questions • Ask questions that they want to find the answers to • Collect data and use it to create charts and graphs • Answer questions from charts and graphs • Create decision trees using objects or photographs • Explore a branching database • Save their data and retrieve it • Use digital microscopes to capture images • Find information from different sources such as web sites
Y3	<ul style="list-style-type: none"> • Find information from a database to answer straight forward questions • Add to a database • Answer questions using information in a branching database • Ask their own questions and recognise those which have yes /no answers • Create their own branching database to answer questions • Record and present data in drawings, pictograms, bar charts and tables • Answer one-step and two-step questions from collected data • Use a data logger to monitor changes and describe the findings
Y4	<ul style="list-style-type: none"> • Ask questions about a population and identify data to be collected to answer them • Plan and create a database • Distinguish between different types of data such as numerical, text, list • Search and sort data in a database to answer questions • Know how to identify inaccurate data • Present data appropriately for a purpose and audience • Use a data logger and analyse the findings
Y5	<ul style="list-style-type: none"> • Identify data required to answer specific questions • Collect and record information using databases and spreadsheets • Complete complex searches (e.g. using and/or; \leq / \geq) of data in databases and online data sources • Solve problems by manipulating and interrogating data and present their findings • Question the integrity of data and identify where data may be compromised. • answer questions by identifying data that can be collected using a data logger and interpreting the findings
Y6	<ul style="list-style-type: none"> • Complete data collection and analysis • Select, collect, check accuracy and analyse the data through selecting appropriate data manipulation tools, and present results. • Plan investigations which make use of a data logger to collect data; analyse findings and present outcomes.