PROGRESSION IN COMPUTING – INFORMATION TECHNOLOGY –
HANDLING DATA

Year 1

- I can understand that pictures can be used to represent data.
- I can collect data on a topic.
- I can create a pictogram using my data.
- I can understand the format of a spreadsheet.
- I am beginning to understand the vocabulary 'cell', 'row' and 'column'.
- I can enter in numbers and words into a spreadsheet.
- I can add images on to a spreadsheet.
- I can use + and – in a spreadsheet.

Year 2

- I talk about the different ways I use technology to collect information, including a camera, microscope or sound recorder.
- I can make and save a chart or graph using the data I collect.
- I can talk about the data that is shown in my chart or graph.
- I can sort my data using yes/no questions.
- I am starting to understand a branching database.
- I can tell you what kind of information I could use to help me investigate a question.

Year 3

- I can talk about the different ways data can be organised.
- I know what a spreadsheet is and how it used.
- I can use SUM in excel.
- I can use excel to work out addition, subtraction, multiplication and division calculations.
- I can use data in excel to create a graph.

Year 4

- I can tell you ways to communicate with others online.
- I can identify the parts that make up an internet browser.
- I can describe the World Wide Web as the part of the Internet that contains websites.
- I can identify key words to use when searching safely on the World Wide Web.
- I think about the reliability of information I read on the World Wide Web.
- I can use search tools to find and use an appropriate website.

Year 5

- I can explain how information can be recorded
- I can explain what a field and a record is in a database
- I can navigate a flat-file database to compare different views of information
- I can choose which field to sort data by to answer a given question

- I can explain that data can be grouped using chosen values
- can group information using a database
- I can combine grouping and sorting to answer specific questions
- I can select an appropriate chart to visually compare data
- I can refine a chart by selecting a particular filter
- I can ask questions that will need more than one field to answer
- I can refine a search in a real-world context

Year 6

- I can collect data
- I can suggest how to structure my data
- I can enter data into a spreadsheet
- I can explain what an item of data is
- I can choose and apply an appropriate format to a cell
- I can calculate data using different operations
- I can create a formula which includes a range of cells
- I can apply a formula to multiple cells by duplicating it
- I can use a spreadsheet to answer questions
- I can explain why data should be organised
- I can apply a formula to calculate the data I need to answer questions
- I can produce a chart and answer questions.