



Prior Learning: In Year 1 and 2 children will have used software to generate pictograms and bar charts from data inputted into a chart. In Year 3 children will have learnt how to create a database questionnaire by adding text into fields and collecting data. They will have learnt how to search the database created and create graphs in order to answer a specific question.

Key Computing Knowledge Y4:

- Know the different uses of databases and spreadsheets.
- Know how to collect reliable data.
- Know how to enter data on a spreadsheet.
- Know how to present data from their spreadsheet using graphs and charts.
- Are able to examine findings and identify patterns in the data.
- Are able to identify the appropriate graph/table/chart to portray information.
- Can draw conclusions and explain findings
- Are able to export graphs and charts into another software package and present findings.



Key Computing Knowledge Y5:

- Know how to use a spreadsheet to carry out simple calculations;
- Know which formulas to use to change a spreadsheet model.
- Know how to use the SUM and other functions with assistance.
- Know that a spreadsheet can be used to help solve problems;
- Are able to change some of the data/variables and discuss effects on results.

Resources		Key Computing Vocabulary			
<ul style="list-style-type: none"> • Laptops • Excel 	Database	A database is a collection of data that is specially organized for rapid search and retrieval by a computer	Spreadsheet	An electronic document in which data is arranged in the rows and columns of a grid	
	Data	A collection of facts, such as numbers, words, measurements, observations or even just descriptions of things	Graph	A diagram of values, usually shown as lines.	
	Variable	A type of data that has been measured or collected	Export	To change a file to a different software	
	Calculation	A mathematical determination of the amount or number of something	Formula	A calculation performed on one or more variables	

Computing Outcomes	Cross Curricular Links
Children will make a spreadsheet and graph to represent data gathered during a scientific enquiry saved on Seesaw. Y5 children will find averages using formulas with support.	Maths - solve comparison, sum and difference problems using information presented in a line graph Science - recording data and results of increasing complexity

Linked documents: [Class Overview](#), [Computing Whole School Progression document](#) and [Class Medium Term Planning](#).

