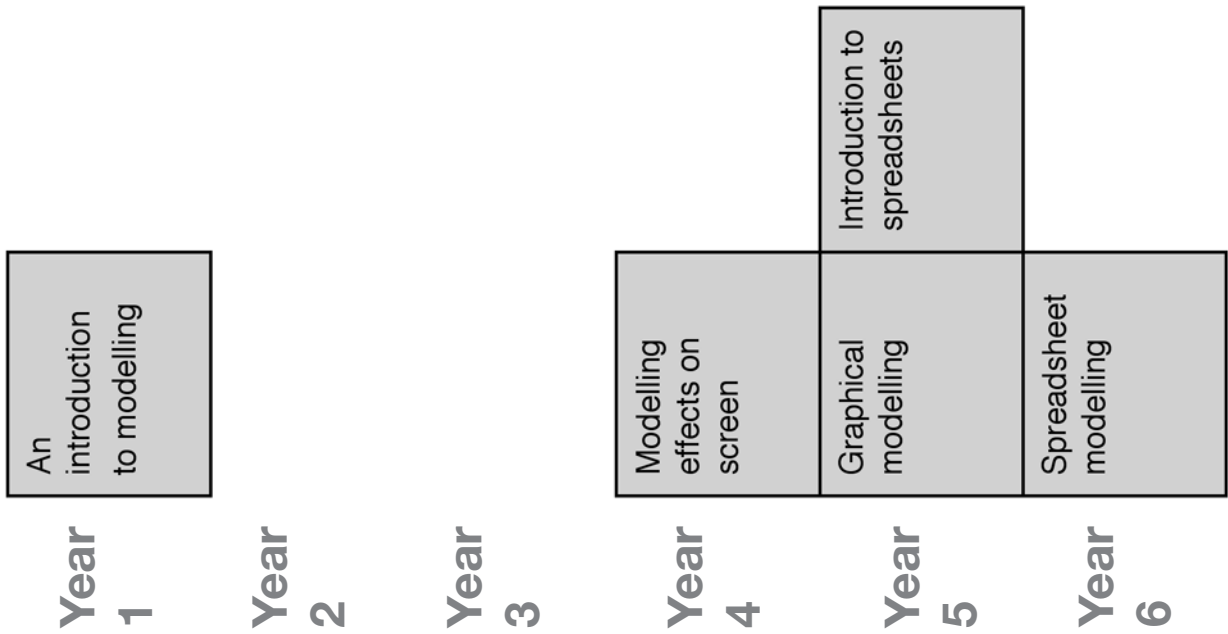


# Primary modelling

Year 1	An introduction to modelling	Using a word bank	The information around us	Labelling and classifying	Representing information graphically: pictograms	Understanding instructions and making things happen
Year 2	Writing stories: communicating information using text	Creating pictures	Finding information	Routes: controlling a floor turtle	Questions and answers	
Year 3	Combining text and graphics	Manipulating sound	Introduction to databases	Exploring simulations	E-mail	
Year 4	Writing for different audiences	Developing images using repeating patterns	Branching databases	Collecting and presenting information: questionnaires and pie charts	Modelling effects on screen	
Year 5	Graphical modelling	Analysing data and asking questions: using complex searches	Evaluating information, checking accuracy and questioning plausibility	Introduction to spreadsheets	Controlling devices	Monitoring environmental conditions and changes
Year 6	Multimedia presentation	Spreadsheet modelling	Control and monitoring – What happens when...?	Using the Internet to search large databases and to interpret information		



Understand that a computer can represent real or fantasy situations and that these do not replicate the original exactly; know that simple adventure games also represent real or fantasy situations; create a simple representation of a real or fantasy situation using either an object-based graphics program or a painting program.

Enter instructions to control a screen turtle and compare the operation of the screen turtle with a floor turtle; write a procedure that 'teaches' the computer a new word and write short sequences to produce particular shapes on screen; understand that procedures can be created to carry out repeated tasks.

Use an object-based graphics package to create, combine and manipulate objects and explore possibilities.

Enter numbers, labels and simple formulae into a spreadsheet and use the data to calculate totals; be introduced to spreadsheet software and explore how changes in price and quantity can affect total cost; apply what they have learned in this unit when exploring mathematical and scientific models.

Explore the effects of changing data in a spreadsheet; make predictions and use a spreadsheet to test them.