

iCompute

Overview

This unit introduces pupils to spreadsheets. They find out how information is entered into a spreadsheet and how formulae can be used to calculate totals. They progress to producing charts and creating their own spreadsheets.



National
Curriculum

- * design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems: solve problems by decomposing them into smaller parts
- * use sequence, selection, and repetition in programs; work with variables and various forms of input and output
- * use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs
- * understand computer networks, including the internet; how they can provide multiple services, such as the World Wide Web, and the opportunities they offer for communication and collaboration
- * use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content
- * select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information
- * use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact

Curriculum Links

- * Mathematics



Objectives



Lesson	Title	National Curriculum Links	Objectives	Success Criteria	Vocabulary
6.5.1	iCell	* Select, use and combine a variety of software on a range of digital devices to design & create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information	<ul style="list-style-type: none"> * Identify some parts of a spreadsheet * Identify cell references 	* The children solve problems involving cell references	spreadsheet, cell, cell reference
6.5.2	iWork it out		<ul style="list-style-type: none"> * To understand that spreadsheets can be used to store numerical data and to make calculations * To understand that recalculations with different values can be done quickly 	* The children use a spreadsheet to solve problems	Calculate; formula; cell; cell reference; addition; subtraction; division; multiplication; SUM; equals
6.5.3	iCalculate		<ul style="list-style-type: none"> * To enter a formula to calculate totals * To enter numerical data into cells 	* The children use the correct formula to carryout calculations	Formula; sum; formula bar
6.5.4	iRecord		* To understand that graphs and charts can be created and easily be changed from spreadsheet data	* The children create, edit and copy graphs using a spreadsheet	Formula; cell; calculate; chart; graph
6.5.5	iSum		<ul style="list-style-type: none"> * To understand the SUM function can be used to create formulas that will perform addition calculations * To use a spreadsheet to model a costing exercise 	<ul style="list-style-type: none"> * The children have used the SUM function in formulae to add numerical data * The children use the data in a spreadsheet to answer questions and make choices 	Calculate; formula; formulae; SUM, modelling; variables