



Somerset Bridge Primary School
Aspire - Brave - Care - Collaborate

Year 5 Computing - Spring

Programming with J2E Logo

FD 50 BK 50
LT 90 RT 90
PD PU
HOME CS
COLOUR "red"
REPEAT 4 [...]
TO procedure ... END
turtle
maths
lists

Use the pre-programmed buttons to move the turtle and create shapes.

Handling Data with Spreadsheets and Databases

Spreadsheets

A spreadsheet lets you **present data** neatly and **solve calculations** quickly to find out **statistics**.

column B

	A	B	C	D
1	Supermarket Shop			
2				
3	Item	Price	Quantity	Cost
4	Apple 🍏	£0.40	5	=B4*C4
5	CANET 🍷	£0.30	2	=B5*C5
6	Potato 🥔	£0.10	6	=B6*C6
7	Steak 🥩	£4.50	1	=B7*C7
8	Chocolate bar 🍫	£1.50	2	=B8*C8
9			Total Cost	=SUM(D4:D8)
10			Cash Given	£15.00
11			Change Due	=D10-D9

table
formula
row 6
function
cell D11

Uses

- Finding **totals** of a lot of numbers.
- Working out **budgets**.
- Doing **maths conversions**.



Key Vocabulary

Statistics	Collecting and looking at large groups of numbers.
Formula	Maths rule or relationship for numbers.
Function	A cell that applies a formula to a row/column of numbers.
Row	A line of numbers from left to right.
Column	A line of numbers from top to bottom.
Budget	A planned amount of money that you can spend.

Databases

A database is a structured way of **organising data** on a topic so it can be **searched** and **analysed** easily.

A **record** is all of the information stored about something.

A **field** is a single item of data.

Weather	Temperature (°C)	Rainfall (mm)
Rainy	13	5
Sunny	20	0
Sunny	23	0
Cloudy	11	2
Rainy	9	9
Sunny	20	0

Sort records into alphabetical or numerical order.



Filter to only show records matching rules (e.g. Rainfall ≥ 5mm).

Uses

- Sports coaches **studying player statistics**.
- Schools **checking pupil attendance**.
- Supermarkets **monitoring stock levels**.



Tips for Effective Web Searching

- Use **key words**. e.g. capital city France
- Use **inverted commas** to find exact names. e.g. "Queen Elizabeth II" "Chinese New Year"

- Use **Cross-reference (compare) websites** to check the information on them is **reliable**.