

Computing

Year 3 - Topic: Email



End Points:

- To understand how people communicate with each other.
- To understand and respond to an email.
- To compose and send an email.
- To send an email attachment.
- To learn how to use email safely.
- To explore simulated email scenarios.

Key vocabulary:

address book	Email
password	image picker
attachment	Email simulation
recipient	inbox
trusted contact	compose

Computing

Year 3 - Topic: Touch Typing



End Points:

- To learn correct finger positioning on the keyboard and understand when to use the left or right hand.
- To learn how to type numbers accurately and to use the shift key for capital letters.
- To practise typing punctuation marks and symbols and build accuracy with simple words.
- To practise typing sentences using capital letters, spaces, and full stops.

Key vocabulary:

bottom keys	number rows
space bar	home keys
posture	top keys
keyboard	shift key
typing	

Computing

Year 3 - Topic: Coding



End Points:

- To understand what a flowchart is and how flowcharts are used in computer programming.
- To understand that there are different types of timers.
- To understand how to use the repeat command.
- To understand the importance of nesting when coding, testing and debugging.
- To design a program.
- To use design documentation to code a program.

Key vocabulary:

collision detection	design
timer	repeat
event	interval
flow chart	repeat

Computing

Year 3 - Topic: Branching Databases



End Points:

- To understand the concept of using 'Yes' or 'No' questions to sort objects.
- To understand and use a branching database effectively.
- To plan and create a branching database.
- To test and debug branching databases to correct errors.

Key vocabulary:

Binary choice	Data
Debug/Debugging	Binary Tree
Database	Record
Branching Database	

Computing

Year 3 - Topic: Micro:Bits



End Points:

- To use a micro:bit to create an electronic name badge.
- To code a micro:bit to show animations on its LED display.
- To code a micro:bit to show different images on the LED display when specific buttons are pressed.
- To code a micro:bit to make sounds when movements are detected.

Key vocabulary:

Hardware	Animation
Image	Software
Animation	Infinite Loop
LED	Sound Output
Gestures	Speaker
Micro:bit	

Computing

Year 3 - Topic: Spreadsheets



End Points:

- To understand the layout and features of 2Calculate in Advanced Mode.
- To use the arrows toolbar to be able to automatically total rows and columns.
- To use simple formulae in a spreadsheet by using the formula wizard.
- To use advanced formulae in a spreadsheet to calculate totals, averages and to find the highest and lowest values.
- To apply spreadsheet skills to solve real-world problems.
- To design and use a spreadsheet to answer a series of questions.

Key vocabulary:

formula bar	merge
operations	copy tools
formula wizard	range
Data	function
Sheet	formula