

COMPUTING

Clear messaging in Digital Media



Autumn Term 1

Logging in and understanding the school network, Managing home areas
Searching the Internet. Understanding fact, opinions, bias and fake news.
Using the internet safely and responsibly. Communicating Internet safety message

Skill: Being able to use the school computer network, and being safe whilst using the Internet.

Data Modelling using spreadsheets



Spring Term 2

Intro to spreadsheets
Formulas - calculations
Functions - charts & graphs for visually representing information
Data Skills - Analysing data

Skills: able to confidently model data with a spreadsheet

Networks & Protocols



Autumn Term 2

Networks Protocols – how digital devices communicate with each other
Networking Hardware – what a network needs
Wired Wireless Networks advantages and disadvantages of each type
What is the Internet
internet services the world wide web

Skills: Understanding what networks are their purpose

Programming Essentials Part 2



Summer Term 1

Sub Routines
Condition controlled loops
Loops – repletion of instructions until a condition is met
Lists – storing and organising data for easy access
Making a Scratch program/quiz to translate words

Skill: Build on their understanding of the control structures' sequence, selection, and iteration (the big three), and develop their problem-solving skills.

Programming Essentials Part 1

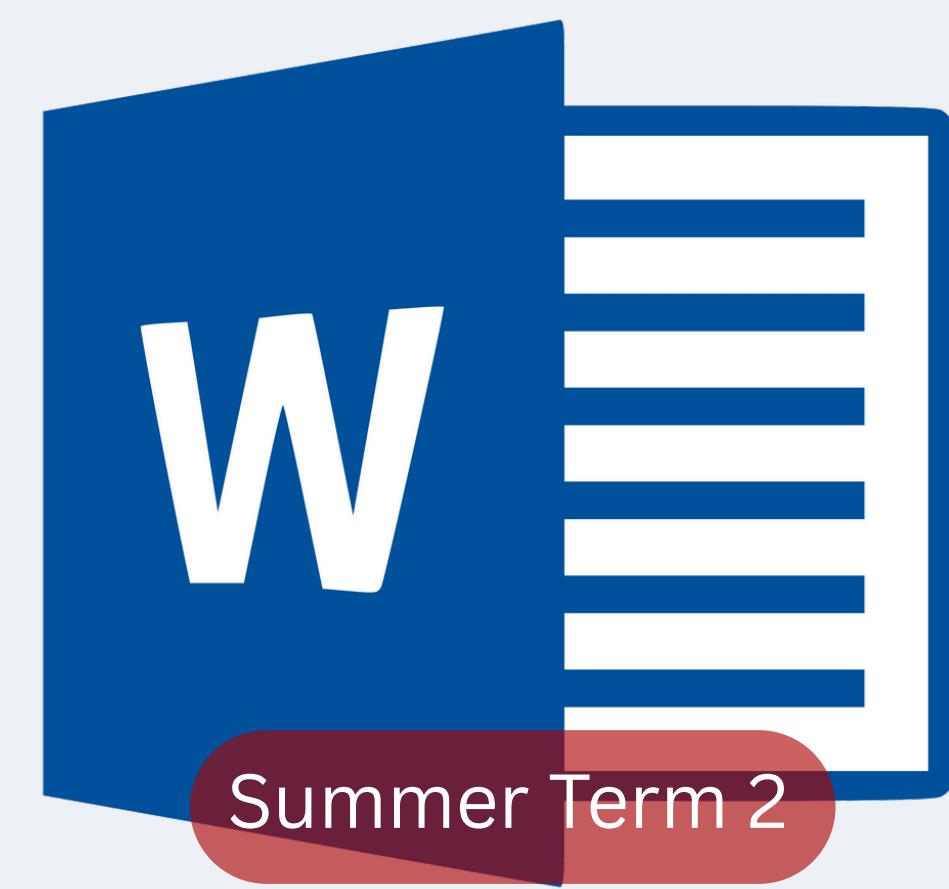


Spring Term 1

Scratch Intro to programming
Sequence & variables
Selection – programs making choices
Operators – mathematical and Boolean operators
Count controlled iteration
Problem Solving

Skill: build learners' confidence and knowledge of the key programming constructs.

Using media – Gaining support for a cause



Summer Term 2

Using Microsoft Word -
Understanding Copyright
Project Open evening Video
Inserting clips
Adding sound
Effects
Exporting

Skill: Understanding copyright legislation and making a media product advertising the school open evening