

## YEAR 7 LEARNING JOURNEY INFORMATION

# COMPUTING

### Clear messaging in Digital Media



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



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

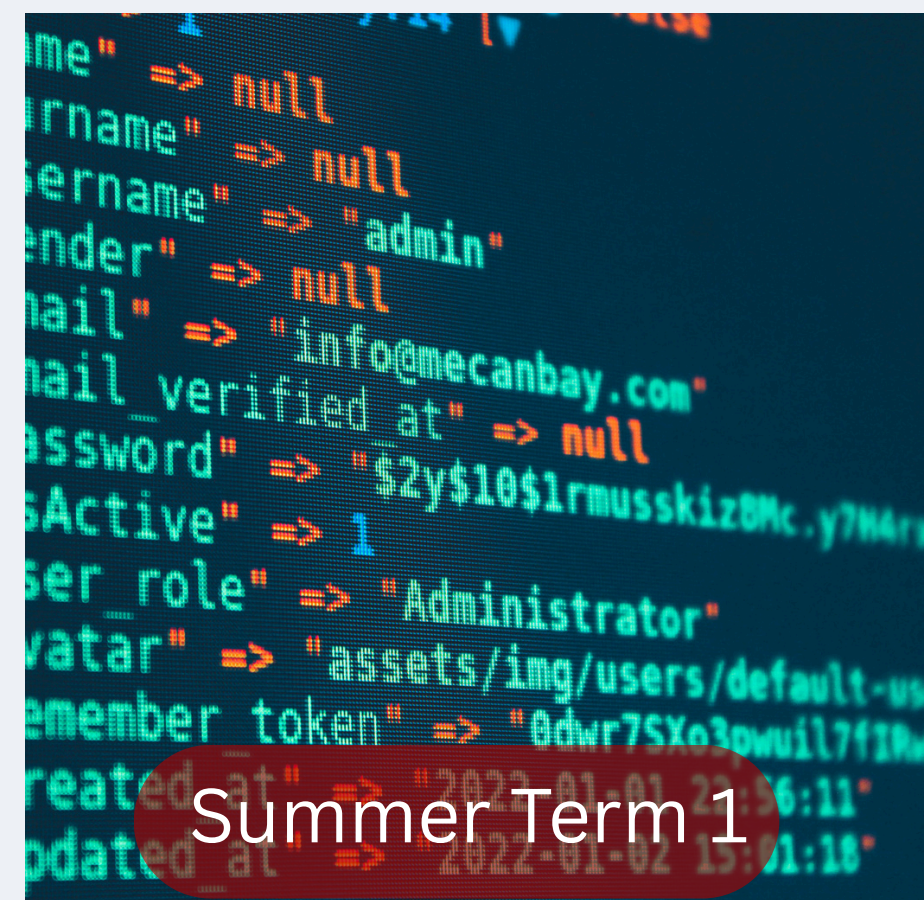
### Networks & Protocols



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

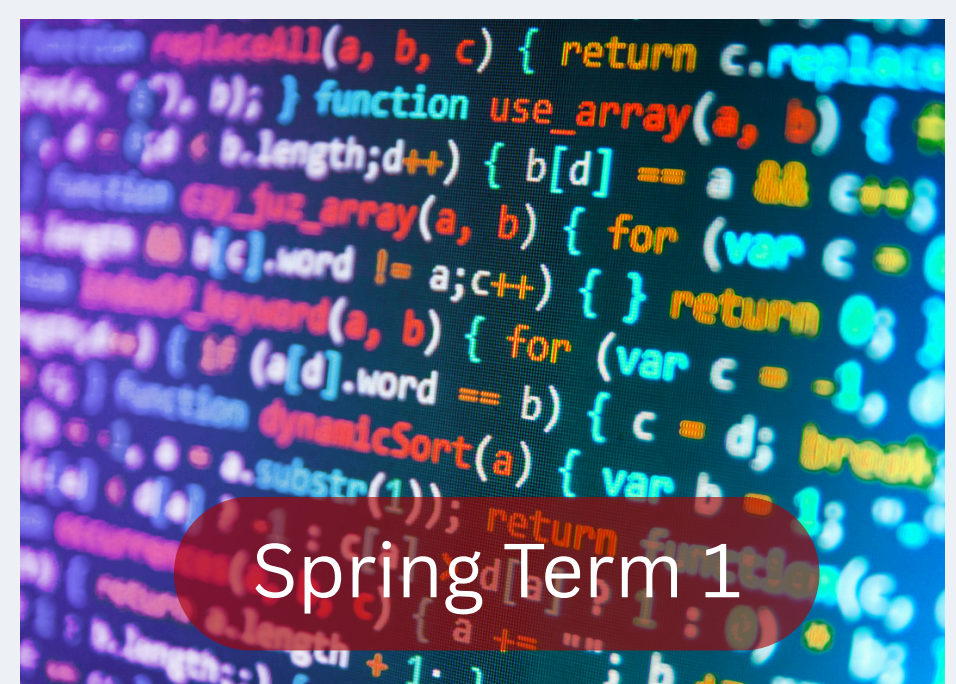
### Programming Essentials Part 2



Sub Routines  
Condition controlled loops  
Loops – repetition 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.

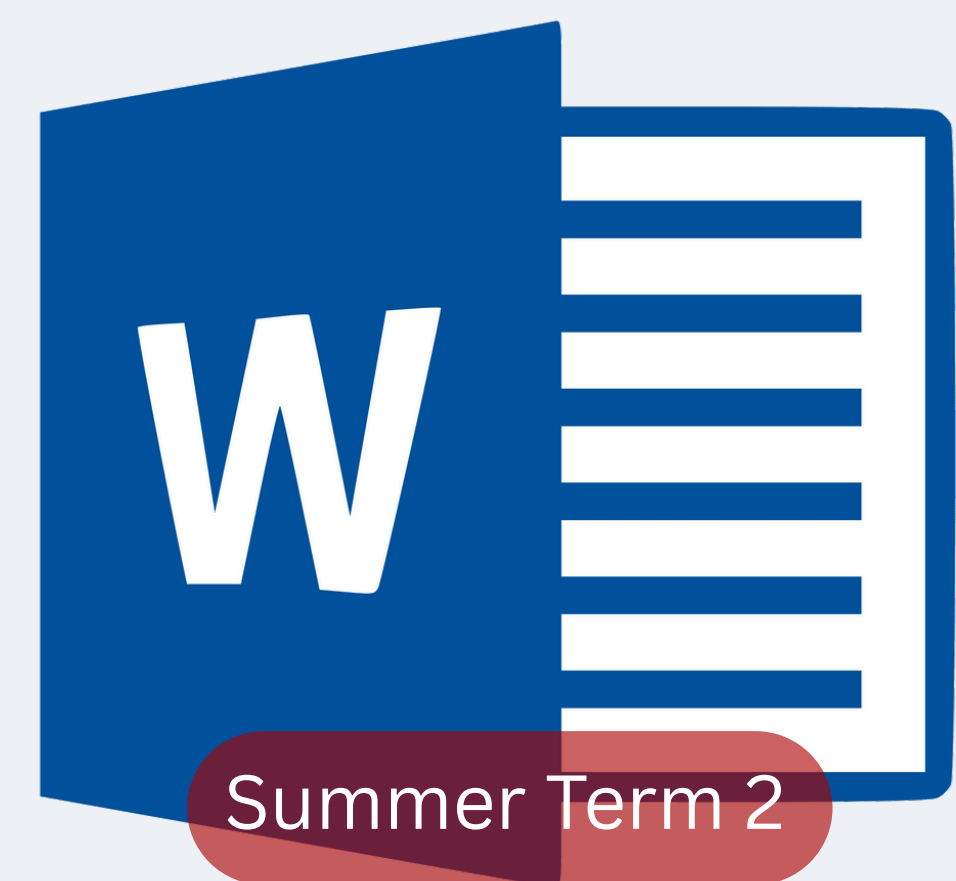
### Programming Essentials Part 1



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



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