

# Computing - Year 8 Learning Journey

Year 9 Pathways

Half term

June

July

## 5D Sketchup

- Importance of Planning
- Visualisation Diagrams
- Creating a Floor Plan
- Mood boards

F.A



- Using Planner 5D software
- Creating Floor Plan
- 2D and 3D Floor Plans
- Adding Furniture
- Creating Video House Tour in Canva

**Revisiting**  
Idea Generation  
Planning (Y7 & Y8)

May

April

## Python Programming

- Writing simple programs in Python
- Sequence and Selection
- Debugging Code
- String and Integer
- Using Conditions
- Conditional Statements

S.A



Mark:

- Operators
- Using IF, ELIF and ELSE in programs
- Creating a calculator program
- Iteration
- Loops
- Independent coding challenges

**Revisiting**  
String (Y7)  
Operators (Y7 & Y8)  
Abstraction & Decomposition (Y7)  
Algorithms and writing algorithms (Y7)

Easter Break

January

February

Half term

March

## Spreadsheets

- Spreadsheet Recap
- Advanced Functions
- Macros
- IF Statements
- VLOOKUP

**Revisiting**  
Formatting (Y7 & Y8)  
Problem Solving (Y7)  
Operators & Formulae (Maths)

S.A

Mark:

## Spreadsheets

- Sorting
- Filtering
- Conditional Statements
- Graphs
- What If Scenarios

F.A



## Python

- Input, Output & Variables

**Revisiting**  
Input, Output & Variables (Y7 & Y8)

Christmas Break

December

November

F.A



## Digital Graphics Unit

- Idea Generation
- Vector & Bitmap Graphics
- Collecting Assets
- Adobe Illustrator Tools

- Using Adobe Illustrator to create a Vector Logo
- Advanced Adobe Illustrator Tools
- Images
- Text Shapes

- Shadows
- Snipping Tool
- Using Layers
- Magic Wand

**Revisiting**  
Formatting (Y7)  
Target Audience (Y7)

Half term

September

October

Year 8

## Computer Systems

- Computer Components
- Physical Computing
- Binary & Denary

- Insertion Sorting
- Logic Gates – AND, OR, NOT

S.A

Mark:

**Revisiting**  
Input & Output (Y7)  
Binary numbers (Y7)  
Binary Placeholders (Y7)



SA:  
Summative assessment



FA:  
Formative assessment