KS3 Computing Curriculum

Fulwood academy

Y9

HT5 OPTIONS HT6

Jem and Benny's Preproduction: Mind maps, moodboards, storyboards, visualisation diagrams:

CREATIVE IMEDIA

iMedia IT Project

HT4

User Interface:, master slides, buttons, hyperlinks. design principles.

COMPUTERS/NETWORKS & COMMUNICATION

HT3

EduBlocks with Python Turtle programming. Programming concepts, data types, subprograms, Subroutines, parameters

DATA REPRESENTATION

Computer Networks, The Internet, Network Security, Network Protocols

HT2 HT1

COMPUTATIONAL THINKING

Complex Boolean Logic, Two's Compliment), Hexadecimal Conversion RGB, Binary Logic/Arithmetic Shifts / Calculating files sizes

INFORMATION TECHNOLOGY

Y8

HT6

iMedia IT Project

CREATIVE IMEDIA

Intro, Tools, layers, drop shadows, shapes, line art, composite images

HT5

Presenting Media, Design Principles, Identifying Audiences, Media Asset Suitability

HT4

INFORMATION TECHNOLOGY

HT3 HT2 HT1

Algorithms, Coding blocks, Sequence, Selection, Iteration, Variables

COMPUTATIONAL THINKING

Welcome/logging on - Files and folders - Office 365 - baseline testing - using outlook - email etiquette - OneNote.

COMPUTERS/NETWORKS & COMMUNICATION

Y7

HT6

iMedia IT Project

CREATIVE IMEDIA

Typography, Surrealism and animated GIFs

HT5

Micro bit: Text Based Language, Basic Concepts, Lists, Functions, String Handling

COMPUTATIONAL THINKING

Computer Architecture, Principles of Memory, Secondary Memory, CPU

COMPUTERS/NETWORKS & COMMUNICATION

HT4

INFORMATION TECHNOLOGY

Excel: Cell Referencing, formatting, operators and basic formulae, Functions, Advanced Formulae, Conditional Statements.

HT1 HT2 HT3

Combinational Logic gates - Hexadecimal - Arithmetic and Storing images, characters and sound - Meta Data/ Compression

DATA REPRESENTATION

Logic gates - Units of data - Binary conversion 4 bit - Binary images / Sound - ASCII