Computer Science KS3 Learning Journey

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Assessment

Python
2d Arrays
File Handling
Reading Files
Linear Search
Sorting
Algorithms

Database (Relational)
Flat File Database
Relationships and Foreign Key
Forms
Queries and relational queries
Reports and Mailmerge

Binary Coding
Character Sets
Images
Sound
Compression

Photo Editing
Bitmap and Vector
Compression
Magic Wand and Selection
Transparency
Visual effects

Integrated Project
Logos
Planning Tools
Digital Presentation
Desk Top Publishing
Spreadsheet
Mailmerge

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Python
Basic commands
Break Out commands
Variables and Constants
If Elif and Else
Iteration
While Loops

Assessment

Spreadsheets
Formatting
V Look ups
Min Max and IF
Protection and Macros

Databases
Data entry and validation
Sorts and Filters
Queries
Forms
Mailmerge and GDPR

Web Authoring
Audience and Purpose
Site Map and Template
Master Pages
Links
History of Computing

Animation
Animation
Video
Transitions
Audience and Purpose

HTML
Tags
Formatting
Hyperlinks
Images
Website

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Algorithms
E-commerce
Barcodes
Cryptology
Flowcharts
Subroutines

Assessment

Scratch
Block based programming
Sequence of instructions
Scoring systems
Gravity
Scrolling backgrounds
Game over and High Score

Programming
Turtle
Pen up and Pen Down
Iteration
Procedures
Selection

Spreadsheets
Formatting
Formulas
If Statements
Graphs
User Features
Tabs and Hyperlinks

E-Safety
Cyberbullying
Social Media
Passwords
Netiquette
Digital Footprint Reporting
Concerns

Kodu
Building environment
Block commands

Introduction
Email
Satchel One
Shortcuts and Printing
File Organisation

West Norfolk Academies Trust