Computer Science KS4 Learning Journey

Assessment PPE2

Revision Paper 1:
System Architecture
Memory and Storage
Network connections
Protocols
Security
System Software
Ethical, Legal, Cultural and
Environmental impacts

Revision Paper 2:
Algorithms
Programming
Fundamentals
Robust Programs
Boolean Logic
Programming
Languages and IDE's

GCSE Exam Paper 1 & 2

Programming Exam Techniques:
Spotting Errors
Passing Functions and
Procedures
Defensive Design
Writing Algorithms
Flow Charts

Assessment PPE1

Understanding the Specification:
Embedded Systems
SQL
Programming
Confidence
Utility Software

Paper 1 preparation:
Components of a PC
Operating System
Data Recap
Searching and Sorting
Ram and Rom

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Impact of Technology:
Emerging Technology
Legal Issues
Copyright
The Internet
Protocols
Networks
Environmental Impact
Ethical Impact

Programming Advanced:
Reading and Writing to
files
Lists and Tuples
Programming
experience

Assessment

Computational Thinking:
Trace Tables
Exam Style
Programming Questions
Searching and Sorting

Components:
CPU
Operating Systems
High and Low Programming
Languages
Little Man Computer
Network Security

Binary Understanding:
Units of Measurement
Binary
Hex
Binary Shifts
Logic
Character Sets
Binary Images
Binary Sound
Compression

Programming Introduction:
Python Basics
If, elif and else
for i in range
while
import

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