

Computing Timeline



YEAR 13

Mastery, Synoptic Understanding & Successful Progression

HT1: Data Types, Data Structures and NEA Iterative Development
HT2: Boolean Algebra, Legal and Ethical Issues, Advanced Processors, Software Development and NEA
HT3: Programming Languages, Compression, Encryption, Databases, Computational Thinking and NEA Testing
HT4: Databases, Networks, Web Technologies, Algorithms, NEA Completion
HT5: Component 1 and Component 2 Revision, Past Papers and Final Exam Preparation
HT6: Final Revision and A Level Examinations



YEAR 12

Advanced Study & Academic Transition

HT1: Processors, Input, Output, Storage and Programming Fundamentals
HT2: Software, Software Development and Computational Thinking
HT3: Exchanging Data and Algorithms
HT4: Data Types, Data Structures, Boolean Algebra and Problem Solving
HT5: Legal, Moral, Cultural and Ethical Issues and UCA Preparation
HT6: UCA Exam, Paper Consolidation and NEA Preparation



YEAR 11

Securing Outcomes & Progression Readiness

HT1: Systems Architecture, Storage, Networks, Cyber Security and Programming
HT2: Impacts, Computational Thinking, Algorithms and Programming
HT3: Advanced Programming, Robust Programs, Searching, Sorting and Boolean Logic
HT4: Synoptic Programming, Mock Examinations, QLA and Targeted Intervention
HT5: Past Papers, Targeted Revision and Final Exam Preparation
HT6: GCSE Examinations



YEAR 10

GCSE/ KS4 Preparation

HT1: Systems Architecture, Storage, Networks and Programming
HT2: Networks, Cyber Security, Systems Software and Robust Programming
HT3: Impacts, Computational Thinking, Algorithms and Boolean Logic
HT4: PPEs, Systems Consolidation and Advanced Programming
HT5: Programming Languages, Data Structures, SQL and Practical Programming
HT6: Revision, Exam Practice and Year 11 Preparation



YEAR 9

Foundation Stage III

HT1: IT Room Routines, Computer Systems and AI
HT2: Advanced Spreadsheet Solutions
HT3: Computational Thinking and Algorithms
HT4: Python Programming Development
HT5: Programming Project
HT6: Revision, assessment and Emerging Technologies



STRONG FOUNDATION BASE

Secure knowledge, literacy, numeracy and learning habits



YEAR 8

Foundation Stage II

HT1: IT Room Routines and Computer Systems
HT2: Python Programming Foundations
HT3: Data Representation
HT4: Spreadsheet Modelling
HT5: Digital Media and Video Editing
HT6: Revision, Assessment and AI Creative Project



YEAR 7

Foundation Stage I – Strong Start

HT1: Digital Foundations
HT2: Computational Thinking and Binary
HT3: Introduction to Programming with EduBlocks
HT4: Spreadsheets and Data Handling
HT5: Inside a Computer
HT6: Revision, Assessment and Micro:bit



STRONG FOUNDATIONS

We build core knowledge, habits and character early so every student can succeed.



AMBITION FOR ALL

We have the highest expectations of every student and believe in their potential.



PEDAGOGY FOR PROGRESS

We use expert teaching, retrieval and feedback to secure progress for all students.



TEACH TO THE TOP

We teach the most ambitious curriculum and scaffold expertly so all students reach the highest levels.