

	INVEST in the power of the written word	EXPERIENCE a range of cultures, histories and beliefs	EXPLORE the shared values of civilisation	SHAPE society and our place within it	GROW as instinctive readers, writers and orators	PURSUE English beyond the classroom
Curriculum Sequencing Grid						
Subject	OCR GCSE Computer Science			Year	11	
	Term 1		Term 2		Term 3	
	HT1	HT2	HT3	HT4	HT5	HT6
Component	2.1 Algorithms 2.3 Reducing Robust Programs	2.4 Boolean Logic 2.5 Programming languages and Integrated Development Environments	2.2 Programming Fundamentals	2.2 Programming Fundamentals	Component 1 and Component 2 Revision Exam focus	-
Developing Cultural Capital	Usage of Lego and Playing cards to help understanding core concepts of Algorithms.	Understanding Logic usage and relation to electrical systems and networks. Serial and Parallel.	Real world algorithms will be practiced. Looking at Parking paypoints, Entry systems for businesses and traffic Lights	Look at careers and the diverse job opportunities in the Computer Science field and other fields that rely on Computer Science.	-	-
Substantive Knowledge/ Disciplinary Knowledge	Substantive Knowledge: > Computational Thinking > Abstraction > Decomposition > Sorting Algorithms (Bubble, Insertion and Merge) > Searching Algorithms (Linear and Binary) Disciplinary Knowledge: > Reading Flowcharts > Drawing Flowcharts	Substantive Knowledge: > Reading Logic Gates > Writing Logic Gates > Combining Logic Gates > Truth Tables > IDE features > High Level Languages > Low Level Languages Disciplinary Knowledge: > Boolean Logic in Python > Tracing programs	Substantive Knowledge: > Paper 2 Examination Core Concepts > Programming Constructs Disciplinary Knowledge: > Nested Conditional Statements	Substantive Knowledge: > Paper 2 Section B structure Disciplinary Knowledge: > Nested Iterative Statements	-	-
Cross Curricular Links	Problem Solving Logical Thinking Post-16 Career links	Problem Solving Logical Thinking Post-16 Career links Physics - Electrical circuits	Problem Solving Logical Thinking Post-16 Career links	Problem Solving Logical Thinking Post-16 Career links	Examination Practice Shared with STEM Subjects	-
Vocabulary	Examination command words published and used by OCR and Vocabulary List by OCR through textbooks, noted in a list:					Link
Assessments	2.1 SPA	Paper 1 Trial Paper 2 Trial 2.4 SPA	2.2 SPA	Paper 1 Trial Paper 2 Trial	Final GCSE Examinations	-