Curriculum Map 2025-2026						
Year 13						
Half Term	Unit title with hyperlink to scheme of work	Unit summary	Skills & content covered	Skills & content revisited	Summary of formative marketing, feedback and student response	Summative assessment schedule, including assessment critertia
Autumn 1	Database	Database keywords, relational database, normalisation upto 3NF, SQL, ACID	Identify problems with a database and converting it to a normalised form to maintain data integrity	SQL query and databse key concepts covered in GCSE	Homework, Teams activities/tasks and verbal feedback. Identifying and correcting common misconceptions. Feedback sheets identifying student's targets and student response.	End of unit test, homework. practical database task using MS Access and SQLite
Autumn 2	Revision on Year 12 content and focus on NEA design and development section	NEA development in 3 cycles with feedback from stakeholders				
Spring 1	Revision for mocks with continuing work on NEA	Preparation for Mocks in February. Exam practice, comparing model answers				
Spring 2	Post mock revision. Feedback and target revision. Student will work on testing of their NEA	Breakdown of students' performance on each topics and custom revision target	Exam writing techniques, Extended writing			
Summer 1	Students will complete evaluation of their NEA. Final deadline end of April	Students have been given guidance on how to complete all sections of NEA	Revision	Revision		Mock Exams

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Half Term	Unit title with hyperlink to scheme of work	Unit summary	Skills & content covered	Skills & content revisited	Summary of formative marketing, feedback and student response	Summative assessment schedule, including assessment critertia
Autumn 1	Continuation of data structures covering hash table and hashing algorithms. Searching and sorting algorithms, optimisation algorithms	Students will learn about hash tables and the comparison between linked list and a hash table when adding, deleting and searcing for a data, They will also learn about Djikstra's algorithm ans A* ans apply them to calculate shortest distance between 2 points	Undesting and tracing these algorithms	Python basics and searching and sorting algorithms	Homework, Teams activities/tasks and verbal feedback. Identifying and correcting common misconceptions. Feedback sheets identifying student's targets and student response.	
Autumn 2	Analysis and design of algorithm	Studnets will compare the efficiencies all all algorithms taught in Year 12 and previous half-term in terms of time and space using big O notation	Students will compare the use of different algorithms by comparing their big O notations and evaluate the relevancy of a particular one in a given scenario	Python basics and searching and sorting algorithms		
Spring 1	Object oriented programming	Students will learn to code in a OOP context. They will be taught about class, objects, constructor methods, polymorphism amd encapsulation	Student should be able to apply their knowledge of OOP programming skills in real life scenarios and compare between prcedural and OOP programming techniques	Python advanced skills		
Spring 2	Post mock revision. Feedback and target revision. Student will work on testing of their NEA	Breakdown of students' performance on each topics and custom revision target	Exam writing techniques, Extended writing	All topics taught so far		
Summer 1	Students will complete evaluation of their NEA. Final deadline end of April	Students have been given guidance on how to complete all sections of NEA	Revision	Revision		Mock Exams