

KAA Curriculum Overview		Computer Science	Year 12 Teacher B	EOY Exam	Sequencing and Progression	
Rationale Give an overview of what students are studying this year and why. Link directly to your overall curriculum intent. Students are studying how to				What content and skills will be assessed in the EOY exam? Link to model exam papers here.	How does this year build on what they've learnt last year? n/a	How will it benefit them as they move forward next year?
Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Sum 1	Sum 2
Link to MTP Overview						
Topic studied	Programming techniques Algorithms Data Types	Data Structures Boolean Algebra	Thinking abstractly Programming techniques Algorithms	Analysis of the problem Design of the solution	Revision	Coursework
Adjustments following last assessments / evaluation.	Greater emphasis on Programming and Algorithms					
Key knowledge and skills students need to have gained by the end of the unit	Python Essentials <ul style="list-style-type: none"> • Sequence • Selection • Iteration Building a text adventure game binary search and linear search bubble sort, insertion sort, merge sort quick sort, Dijkstra's shortest path algorithm, A* algorithm Binary	Data Structures Arrays, Stacks and Queues. Boolean Algebra	Object Orientated Programming	Coursework and Software development methodologies		

How is understanding assessed at the end of the unit?	Unit Assessment	Unit Assessment	Unit Assessment	Unit Assessment	Unit Assessment	EoY Exam
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