

KAA Curriculum Overview		Computer Science	Year 11	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? The units in this year are introductions to computer science and students will have the opportunity to develop their idea as the progress.
Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Sum 1	Sum 2
Link to MTP Overview						
Topic studied	Understand computational thinking.	Programming	Purpose of translators Data Representation	CPU Memory and Storage Revision for Mocks	Revision	
Adjustments following last assessments / evaluation.	This can be restructured to give students a greater understanding algorithms.	Students have struggled the most with programming and the project so we are going to do a more intensive sequence of programming lessons.				
Key knowledge and skills students need to have gained by the end of the unit	<ul style="list-style-type: none"> abstraction decomposition algorithmic thinking Understand and be able to trace sort algorithms: <ul style="list-style-type: none"> Bubble sort Insertion sort Merge sort Students will create algorithms using the following: <ul style="list-style-type: none"> Sequence Selection Iteration 	Students will create algorithms using the following: <ul style="list-style-type: none"> Sequence Selection Iteration 	<ul style="list-style-type: none"> Interpreter Assembler Compiler Binary Hexadecimal	CPU RAM ROM MAR MDR Accumulator Control Unit		

How is understanding assessed at the end of the unit?	Logic Assessment Text Adventure Game	Algorithms assessment	Programming Project			EoY Exam
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