KAA Curriculum Overview	Computer Science	Year 8	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.			*What content and skills will be assessed in the EOY exam?*	*How does this year build on what they've learnt last year?*	*How will it benefit them as they move forward next year?*
Students are studying how to stay safe online and will be introduced to algorithms and programming. Students will also learn about Computer hardware.			*Link to model exam papers here.*	*n /a*	*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	Computational Thinking and computer hardware.	Binary and data reputations	Python	Python	How the web works	Flow Charts
Adjustments following last assessments / evaluation.		This has a greater focus as it can gain students some easier grades at KS4.				
Key knowledge and skills students need to have gained by the end of the unit	Students will understand the importance of why Instructions need to be placed into the correct order. Students will know the difference between Input and Output Devices and Hardware and Software. Students will look into the following hardware devices and understand their purpose within a computer system: • CPU • RAM • Hard Drive • Motherboard	Students will be able to convert binary numbers to denary and will understand the how text is represented using ASCII.	Students will create algorithms using the following: • Sequence • Selection • Iteration Students will construct algorithms to loop using a conditional.	Students will create algorithms using the following: • Sequence • Selection • Iteration Students will construct algorithms to loop using a conditional.	To understand HTML and the role of HTML on the World Wide Web	Students will create flowcharts

How is understanding assessed at the end of the unit?	Hardware quiz	Binary Quiz	Python Skills assessment term 2	Python Skills assessment	Web Assessment	EoY Exam