YEAR 9 COMPUTER SCIENCE CURRICULUM MAP

Beths Grammar School

Term	INTENT	IMPLEMENTATION	IMPACT
	Substantive Knowledge This is the specific, factual content for the topic, which should be connected into a careful sequence of learning.	**Disciplinary Knowledge (Skills)** This is the action taken within a particular topic in order to gain substantive knowledge.	**Assessment opportunities** What assessments will be used to measure student progress? Evidence of how well students have learned the intended content.
Autumn Term 1A Year 9	**Intent BOARD GAME PROJECT/COMPUTATIONAL THINKING** Why is this taught now? Develop Computational thinking skills including abstraction and decomposition of a given problem. Breaking down problems are every day skills and also a component within GCSE/A Level curriculum.	Pupils use a range of activities from Analysing, Designing, Developing a game using a variety of software applications to complete a gaming project. Pupils also begin to develop skills using a range of Computational Thinking approaches including Abstraction and Decomposition.	Assessment of work produced. Peer assessment Classwork Homework
Autumn Term 1B Year 9	**Intent** Why is this taught now?		
Spring Term 2A Year 9	**Intent JAVASCRIPT PROGRAMMING** Why is this taught now? Provides pupils with a range of coding languages (Python and JavaScript) and prepares pupils for GCSE/A Level.	Develop programming skills in an additional programming language other than Python to create webpage content. Learn how to use HTML/Cascading Style Sheets for consistency across webpages.	Assessment of work produced. Peer assessment Classwork Homework
Spring Term 2B Year 9	**Intent** Why is this taught now?		
Summer Term 3A Year 9	**Intent ADVANCED PROGRAMMING (Python)** Why is this taught now? Build on programming skills covered at Y7-8 in preparation for GCSE.	Using Python, pupils build on their programming skills covered in Y7-8 Pupils should be able to handle small programming projects that will assess understanding of sequence, selection and iteration and use all three constructs to complete mini projects/challenges.	Assessment of work produced in class. Homework End of Topic Assessment
Summer Term 3B Year 9	**Intent** Why is this taught now? Preparation for the GCSE Computer Science if taken as an option otherwise pupils will have gained a good level of Python programming skills.	Pupils will further develop and explore skills using Random functions and also read/write to text files.	

	Build on skills acquired during Y7/8		