

Year: 7

Subject: Computer science

Autumn Term		
Overarching Topic:		
What has come before and what comes later:	Initial lessons focus on ensuring all students can access the computing curriculum safely and that they are aware and can use the tools used to enhance learning at BBHS. Following on from the introductory lessons' students explore the difference between computer science and ICT, completing a topic in each before Christmas.	
	Core	Extension
The Big Questions (What questions will students be able to answer upon mastery of the topic?)	<ul style="list-style-type: none"> • What is application software? • How do you manage your work area? • What is email / Frog? • How do you stay safe online? • How do you search the internet effectively? • Computer science Vs. ICT • What is a computer? • How do computers work? • What is spreadsheet modelling? • What are formulae? • What is referencing? • What is an instruction? • What is sequence? • How is data stored in a program? 	<ul style="list-style-type: none"> • What is the most appropriate application for a scenario? • What are the benefits and drawbacks of online communication • Evaluate the trustworthiness of online sources • What is the FDE cycle? • What is RAM? • Use models and answer 'what if' questions • Write own formulas / functions to perform calculations <p>What is iteration? – for & while</p>
	Skill/Technique	How students will develop and demonstrate this
Key skills	Problem solving	During assessments, classwork and homework, students will:

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	Sequencing instructions Refining solutions Selecting appropriate software Analyse and evaluate work Create assets	<ul style="list-style-type: none">• Use a range of software to solve problems• Create assets from scratch• Write instructions
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