

Year: 7

Subject: Computer science

<b>Summer Term</b>		
Overarching Topic: HTML, Programming using the Microbit		
What has come before and what comes later:		
	Core	Extension
The Big Questions (What questions will students be able to answer upon mastery of the topic?)	<ul style="list-style-type: none"><li>• What makes an effective website?</li><li>• Why is layout important?</li><li>• How do websites engage their audience?</li><li>• What is HTML?</li><li>• What is a tag?</li><li>• What is a hyperlink</li> <li>• What is a microbit?</li><li>• What can a microbit be used for?</li><li>• What is Python</li><li>• What is the difference between block and text-based programming?</li></ul>	<ul style="list-style-type: none"><li>• What other programming languages are used on the www?</li><li>• What is a protocol?</li> <li>• What other high-level programming languages are there?</li></ul>
	Skill/Technique	How students will develop and demonstrate this
Key skills	<p>Solving problems, spotting patterns, analysing text</p> <p>Project management and planning. Creating assets that are fit for purpose. Evaluating the effectiveness of websites Writing HTML. Block programming</p>	<p>During assessments, classwork and homework, students will:</p> <ul style="list-style-type: none"><li>• Write HTML to create a functioning website</li><li>• Make design decisions and justify them</li><li>• Use a block programming environment to solve problems and control physical hardware.</li></ul>