



## Computing Long-Term Curriculum Map

5 Year program to cover KS3 Computing Curriculum and KS4 Computer Science

	Autumn 1		Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Year 7</b>	<b>7.0 Introduction to Computing at BDB</b>	<b>7.1 Messaging in digital media</b>	<b>7.2 Algorithms and Flowol</b>		<b>7.3 Modelling data using Spreadsheets</b>	<b>7.4 Programming essentials</b>	
<b>Year 8</b>	<b>8.1 Representations from clay to silicon</b>		<b>8.2 Cybersecurity</b>		<b>8.3 Developing for the web</b>	<b>8.4 Introduction to Python</b>	
<b>Year 9</b>	<b>9.1 Programming with Data Structures</b>		<b>9.2 3D Animation</b>		<b>9.3 Layers of Computing Systems</b>	<b>9.4 Physical Computing</b>	
<b>Year 10</b>	<b>Computer Systems</b>			<b>Data Representations</b>			<b>Impacts of Technology</b>
	<b>Programming - Sequence</b>	<b>Programming - Selection</b>	<b>Programming – Iteration</b>	<b>Programming - Subroutines</b>	<b>Programming - Algorithms</b>	<b>Programming Strings and Lists</b>	

<b>Year 11</b>	<b>Computer Networks</b>		<b>Network Security</b>	<b>Revision and Exams</b>
	<b>Algorithms – Search and Sort</b>	<b>Programming 6: Data files, and Physical Computing</b>	<b>Databases and SQL</b>	<b>Revision and Exams</b>

