

## Year 7 Curriculum Overview [2021-2022]

### Subject – Computing

Knowledge & Understanding			Literacy Skills	Employability Skills	Assessment Opportunities
Composites	Components  [includes understanding of KEY concepts & subject specific vocab]	Formal Retrieval  [if any]	Opportunities for developing literacy skills	[if any]	
Half Term 1 (4 lessons)					
<ul style="list-style-type: none"> <li>Using Online Tools</li> </ul>	<ul style="list-style-type: none"> <li>Microsoft Teams</li> <li>Office 365</li> <li>Cloud Storage</li> </ul>	<ul style="list-style-type: none"> <li>eSafety</li> <li>Acting responsibly online</li> </ul>	<ul style="list-style-type: none"> <li>Writing instructions</li> <li>Skim reading</li> <li></li> </ul>	<ul style="list-style-type: none"> <li>Using online tools</li> <li>Online safety</li> </ul>	<ul style="list-style-type: none"> <li>Creating and handing in a piece of work online.</li> </ul>
<ul style="list-style-type: none"> <li>Computer Hardware</li> </ul>	<ul style="list-style-type: none"> <li>Internal components</li> <li>Input Devices</li> <li>Output Devices</li> </ul>	<ul style="list-style-type: none"> <li>Hardware</li> </ul>	<ul style="list-style-type: none"> <li>Annotating</li> <li>Short and extended verbal responses</li> <li>Listening for key information</li> </ul>	<ul style="list-style-type: none"> <li>Working independently</li> </ul>	<ul style="list-style-type: none"> <li>Annotated diagrams</li> </ul>
Half Term 2 and 3 (6 lessons)					
<ul style="list-style-type: none"> <li>Graphical Programming</li> </ul>	<ul style="list-style-type: none"> <li>Algorithms</li> <li>Iteration</li> <li>Procedures</li> <li>Variables</li> </ul>	<ul style="list-style-type: none"> <li>Shape properties</li> <li>Cloud storage</li> <li>Inputs and Outputs</li> </ul>	<ul style="list-style-type: none"> <li>Writing instructions</li> <li>Checking for mistakes</li> <li>Reading and interpreting</li> </ul>	<ul style="list-style-type: none"> <li>Programming</li> <li>Computational thinking</li> <li>Independent work</li> <li>Problem solving</li> </ul>	<ul style="list-style-type: none"> <li>Use of programming tools to create a 'robot' from a range of shapes.</li> </ul>

Half Term 4 and 5 (6 lessons)					
<ul style="list-style-type: none"> <li>Textual Programming</li> </ul>	<ul style="list-style-type: none"> <li>Text variables</li> <li>Loops</li> <li>If/then/else</li> </ul>	<ul style="list-style-type: none"> <li>Algorithms</li> <li>Iteration</li> <li>Variables</li> </ul>	<ul style="list-style-type: none"> <li>Accuracy of instructions</li> <li>Checking for mistakes</li> <li>Adapting others' work</li> </ul>	<ul style="list-style-type: none"> <li>Programming</li> <li>Computational thinking</li> <li>Independent work</li> <li>Problem solving</li> </ul>	<ul style="list-style-type: none"> <li>Use of programming tools to create a cyberpet</li> </ul>
<ul style="list-style-type: none"> <li>Half Term 6 (2 lessons)</li> </ul>					
<ul style="list-style-type: none"> <li>Video Editing</li> </ul>	<ul style="list-style-type: none"> <li>Clips</li> <li>Transitions</li> <li>Effects</li> <li>Text</li> </ul>	<ul style="list-style-type: none"> <li>File Management</li> <li>Input and Output devices</li> </ul>	<ul style="list-style-type: none"> <li>Writing concisely</li> <li>Writing to persuade</li> <li>Listening to instructions</li> <li>Short and extended verbal answers</li> </ul>	<ul style="list-style-type: none"> <li>Using a range of hardware and software</li> <li>Independent skills</li> <li>Problem solving</li> </ul>	<ul style="list-style-type: none"> <li>Creation of a short promotional video</li> </ul>