

Year 5 & 6 Cycle B  
Computing – Medium Term Planning

Autumn 1 Computing Systems and Networks: <a href="#">Communication and collaboration</a> (DL)	Autumn 2 Data & Information: <a href="#">Spreadsheets</a> (IT)	Spring 1 Programming B : <a href="#">Selection in Quizzes</a> (CS)	Spring 2 Creating Media: <a href="#">3D Modelling</a> (IT)	Summer 1 Creating Media: <a href="#">Video Production</a> (IT)	Summer 2 Programming B: <a href="#">Sensing Movement</a> (CS)
<ul style="list-style-type: none"> <li>○ To explain the importance of internet addresses</li> <li>○ To recognise how data is transferred across the internet</li> <li>○ To explain how sharing information online can help people to work together</li> <li>○ To evaluate different ways of working together online</li> <li>○ To recognise how we communicate using technology</li> <li>○ To evaluate different methods of online communication</li> </ul>	<ul style="list-style-type: none"> <li>○ To create a data set in a spreadsheet</li> <li>○ To build a data set in a spreadsheet</li> <li>○ To explain that formulas can be used to produce calculated data</li> <li>○ To apply formulas to data.</li> <li>○ To create a spreadsheet to plan an event</li> <li>○ To choose suitable ways to present data</li> </ul>	<ul style="list-style-type: none"> <li>○ To explain how selection is used in computer programs</li> <li>○ To relate that a conditional statement connects a condition to an outcome</li> <li>○ To explain how selection directs the flow of a program</li> <li>○ To design a program which uses selection</li> <li>○ To create a program which uses selection</li> <li>○ To evaluate my program</li> </ul>	<ul style="list-style-type: none"> <li>○ To recognise that you can work in three dimensions on a computer</li> <li>○ To identify that digital 3D objects can be modified</li> <li>○ To recognise that objects can be combined in a 3D model</li> <li>○ To create a 3D model for a given purpose</li> <li>○ To plan my own 3D model</li> <li>○ To create my own digital 3D model.</li> </ul>	<ul style="list-style-type: none"> <li>○ To explain what makes a video effective</li> <li>○ To use a digital device to record video</li> <li>○ To capture video using a range of techniques</li> <li>○ To create a storyboard</li> <li>○ To identify that video can be improved through reshooting and editing</li> <li>○ To consider the impact of the choices made when making and sharing a video.</li> </ul>	<ul style="list-style-type: none"> <li>○ To create a program to run on a controllable device</li> <li>○ To explain that selection can control the flow of a program</li> <li>○ To update a variable with a user input</li> <li>○ To use an conditional statement to compare a variable to a value</li> <li>○ To design a project that uses inputs and outputs on a controllable device</li> <li>○ To develop a program to use inputs and outputs on a controllable device</li> </ul>