



Curriculum Plan-Subject: Computing  
**YEAR 8**

Autumn Term	Spring Term	Summer Term
<p><b>Spreadsheet revision +</b></p> <ul style="list-style-type: none"> <li>. To be able to use cell references and develop accurate formulas</li> <li>. To understand the difference between between fixed and variables</li> <li>. To understand how to present data for easy assimilation</li> </ul> <p><b>Database</b></p> <ul style="list-style-type: none"> <li>. To be able to identify different data types and validation</li> <li>. To be able to sort and filter data using boolean terminology</li> <li>.To be able to separate data into separate dependant tables</li> <li>. To understand the main instructions on an SQL database</li> </ul>	<p><b>Computer trouble shooting and improving</b></p> <ul style="list-style-type: none"> <li>. To be able to understand how data is represented at machine code level</li> <li>. To be able to understand how algorithms can help make code shorter/more accurate</li> <li>. To be able to construct a Truth table with 3 or more inputs</li> <li>. To be able to create a logic table with 3 or more inputs</li> <li>. To be able to convert between denary;binary;ASCII and hex</li> </ul>	<p><b>Website Creation HTML</b></p> <ul style="list-style-type: none"> <li>.To be able to understand basic HTML coding</li> <li>. To be able to write the code for a basic one page website</li> <li>.To be able to add more than one file type</li> <li>. To understand how file types and sizes effect the accessibility of a webpages contents</li> </ul>
<b>HALF TERM</b>		
<p><b>Programming using Python</b></p> <ul style="list-style-type: none"> <li>. To be able to write basic code and compile successfully</li> <li>. To be able to import existing modules and adapt them for your needs</li> <li>. To be able to read and interpret more complex code</li> <li>. To be able to instruct the computer to append; delete from existing data set</li> </ul>	<p><b>Networking</b></p> <ul style="list-style-type: none"> <li>. To be able to understand what are the main components of a network</li> <li>.To be able to understand the different network topologies</li> <li>. To understand the different methods that a network can be connected</li> <li>. To understand that there are different types of OS</li> <li>. To understand what a MODEM and CODEC does</li> <li>. Identify different file types and sizes.</li> </ul>	<p><b>Mission maker/Flowol</b></p> <ul style="list-style-type: none"> <li>.To understand the health risks linked to excessive gaming</li> <li>.To understand how to change the state of a variable in a game.</li> <li>.To understand how to make a changed state effect either player or another object</li> </ul>

**Bishop Milner Catholic College**

