



# St Gregory's Catholic Middle School

## Long Term Lesson Plan

Year 6	Autumn 1 - Assessment focus Digital Literacy/IT	Autumn 2 - Assessment focus IT
	<p>(Title of unit) – 7 weeks</p> <p><b>E Safety</b> – My guidance PowerPoint presentation</p> <ul style="list-style-type: none"> <li>Revision of computing/protocols and conduct expectations</li> <li>File management revisited</li> <li>Online safety – next steps</li> </ul> <p>(Progression pathway foci)</p> <p><b>Makes judgements about digital content when evaluating and repurposing it for a given audience.</b></p> <p><b>Demonstrates responsible use of technologies and online services, and knows a range of ways to report concerns.</b></p>	<p>(Title of unit) – 7 weeks</p> <p><b>Spreadsheets and Modelling</b> – My Theme Park</p> <ul style="list-style-type: none"> <li>To create and process spreadsheet data using formulae and linking to a 'real world' context</li> <li>Identify variables and understand the impact of change</li> <li>To collate data from research and process to create an appropriate graphical representation</li> </ul> <p>(Progression pathway foci)</p> <p><b>Understands the difference between data and information through collecting, organising and presenting in a digital content.</b></p> <p><b>Designs criteria to critically evaluate the quality of solutions, uses the criteria to identify improvements and can make appropriate refinements to the solution</b></p>
	Spring 1 - Assessment focus Computer Science	Spring 2 - Assessment focus Digital Literacy/IT
	<p>(Title of unit) – 6 weeks</p> <p>Algorithms and flow charts with working programme (<b>Flowol 4</b>)</p> <ul style="list-style-type: none"> <li>Creating and implementing algorithms to solve problems</li> <li>Using Flowol 4 flowchart programme to create working instructional sequences</li> </ul> <p>(Progression pathway foci)</p> <p><b>Creates programmes and designs solutions by decomposing a problem and creates a sub-solution for each of these parts.</b></p> <p><b>Understands and uses iteration (if and if, then and else statements)</b></p> <p><b>Knows that computers collect data from various input devices, including sensors and application software.</b></p>	<p>(Title of unit) – 6 weeks</p> <p>SATS and Independence – My Revision Guide</p> <ul style="list-style-type: none"> <li>Introduction to Boolean operators and safe searching</li> <li>Creating a self revision guide for literacy and numeracy using DTP</li> <li>Using online digital resources to support revision aid</li> </ul> <p>(Progression pathway foci)</p> <p><b>Performs more complex searches for information e.g. using Boolean and relational operators.</b></p> <p><b>Understands how to effectively use search engines, and knows how search results are selected, including that search engines use 'web crawler programs'.</b></p>
	Summer 1 - Assessment focus Computer Science	Summer 2 - Assessment focus Computer Science
	<p>(Title of unit) – 6 weeks</p> <p><b>'Scratch That'</b> – next steps coding: game or animation.</p> <ul style="list-style-type: none"> <li>Creating and implementing algorithms to solve problems</li> <li>Using and understanding pseudocode</li> <li>Creating a block coded programme and debugging</li> </ul> <p>(Progression pathway foci)</p> <p><b>Recognises that different algorithms exist for the same problem and create solutions for coding.</b></p> <p><b>Can identify similarities and differences in situations and can use these to solve problems (pattern recognition).</b></p> <p><b>Uses a range of operators and expressions e.g. Boolean, and applies them in the context of program control.</b></p> <p><b>Knows that a procedure can be used to hide the detail with sub-solution.</b></p>	<p>(Title of unit) – 7 weeks</p> <p><b>Movie Maker</b> – My directing debut 'Street Child' (linked to literacy unit)</p> <ul style="list-style-type: none"> <li>Use an editing programme to create a film presentation combining stills, video footage, soundtrack and narration</li> <li>Combine the use of online digital media with other hardware and technology</li> </ul> <p>(Progression pathway foci)</p> <p><b>Recognises the audience when designing and creating digital content.</b></p> <p><b>Makes judgements about digital content when evaluating and repurposing it for a given audience.</b></p> <p><b>Selects, combines and uses internet services.</b></p>



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