

Computing 7 Year Curriculum Journey

Year 7	Year 8	Year 9	Year 10	Year 11	Year 12	Year 13
<p>Basic principles of ICT & File Management</p> <p>Online Safety</p> <p>Block based programming (Scratch)</p> <p>Image Editing</p> <p>Basics of Computational Thinking</p>	<p>Ethical Considerations</p> <p>Computer Networks</p> <p>Text based programming (Python)</p> <p>HTML & Web-Design</p> <p>Project-based applying learning</p>	<p>Artificial Intelligence</p> <p>Computer Crime & Cyber Security</p> <p>Advanced programming (Python Skills)</p> <p>Computational Thinking HL</p> <p>IT/CS theory on Hardware & Software</p>	<p><u>Computer Science</u></p> <p>Systems Architecture</p> <p>Memory & Storage</p> <p>Algorithms</p> <p>Programming Fundamentals</p> <p>Network Security</p> <p>Ethical, Legal, Cultural, Environmental Impacts</p> <p><u>BTEC</u></p> <p>Investigate the role and impact of using data on individuals and organisations#</p> <p>Create a dashboard using data manipulation tools</p> <p>Draw conclusions and review data presentation methods</p> <p>Modern Technologies</p> <p>Cyber Security</p>	<p><u>Computer Science</u></p> <p>Algorithms</p> <p>Robust Programs</p> <p>Boolean Logic</p> <p>Network Protocol</p> <p>System Software</p> <p>Programming Languages and Integrated Development Environments</p> <p><u>BTEC</u></p> <p>Wider Implications of Digital Systems</p> <p>Investigate user interface design for individuals and organisations</p> <p>Use project planning techniques to plan and design a user interface</p> <p>Develop and review a user interface</p>	<p>Exploring and creating database systems to manage and manipulate data based on user requirements.</p> <p>Normalisation, ERD, Data Types and terminology.</p> <p>Creating queries, reports, forms followed by testing and evaluating system efficiency.</p> <p>Exploring the impact and use of social media on businesses</p>	<p>Information Technology theory</p> <p>Digital Devices in IT systems</p> <p>Peripheral Devices & Media</p> <p>Computer Software</p> <p>Emerging Technologies</p> <p>Connectivity and Networks</p> <p>Operating Online</p> <p>Researching, Planning, Designing, Creating, Testing and Evaluating a Website against user requirements using Dreamweaver and HTML.</p>