



### KS3 Computing at Brookvale Groby Learning Campus

<b>Course</b>	KS3 Computing
<b>Introduction To Course</b>	<p>In Key stage 3 computing we cover a wide range of aspects of the digital world</p> <p><b>Digital Literacy:</b> Using computers in the correct way so as to be efficient, organised and safe.</p> <p><b>ICT:</b> Using programs and apps to produce the best possible products.</p> <p><b>Computer Science:</b> How computers work and how to write our own programs.</p>
<b>Who To Speak To</b>	Mr Ian King - Subject Leader: <a href="mailto:iking@brookvalegroby.com">iking@brookvalegroby.com</a>
<b>Course Calendar</b>	<p><b><u>Year 7 Topics</u></b></p> <p><b>Digital Literacy:</b> Password Security, File Management and Hotkeys</p> <p><b>ICT:</b> E-Safety, How to be safe online, PowerPoint Skills and Hyperlinks</p> <p><b>Computer Science:</b> How Computer Systems work, Block Based Coding (Micro:bit), Data Representation (binary numbers), Text Based Coding (Python)</p> <p><b><u>Year 8 Topics</u></b></p> <p><b>Digital Literacy:</b> Password Security, Ethics &amp; E safety</p> <p><b>ICT:</b> Spreadsheets, Formulae and Charts</p> <p><b>Computer Science:</b> Data Representation (ASCII and Hexadecimal), Logic Gates, Fetch-Execute Cycle, Networks. Text-Based Coding (Python)</p> <p><b><u>Year 9 Topics</u></b></p> <p><b>Digital Literacy:</b> Password Security, File Management</p> <p><b>ICT:</b> Evaluating Applications</p> <p><b>Computer Science:</b> Logic Gates, Flow Charts, Binary, Search and Sort Algorithms, Text-Based Coding (Python)</p>
<b>Course Support Materials For Students/Parents</b>	Knowledge Organisers with all key topic learning will be set for students in the Google Classroom.
<b>Useful Links</b>	To download <b>Mu</b> for year 7 & 8 Coding : <a href="https://codewith.mu/">https://codewith.mu/</a> To download <b>Python</b> for Year 9 Coding: <a href="https://www.python.org/">https://www.python.org/</a>



	To practice general coding skills: <a href="https://code.org/learn">https://code.org/learn</a>
<b>Study Revision Guide Information</b>	KS3 Complete Revision & Practice - <a href="#">CGP</a> - isbn9781789082791 <a href="#">Amazon Link</a>
<b>Exam Dates</b>	<p><b>Year 7</b> - There is an assessment every 6-7 weeks on each topic covered. Exact dates are posted alongside students homeworks in the Google classroom.</p> <p><b>Year 8</b> - There is an assessment every 7-8 weeks on each topic covered. Exact dates are posted alongside students homeworks in the Google classroom.</p> <p><b>Year 9</b> - There is an assessment at the end of each rotation. Dates will vary for each student but are posted alongside their homework in the Google classroom.</p>