

ICT KS3 Curriculum Map

	Term 1 (September – December)		Term 2 (January – March)		Term 3 (April – July)	
Year 7 THEMES	<ul style="list-style-type: none"> ICT network basics e-Safety 1: Issues with gaming 	<ul style="list-style-type: none"> Understanding algorithms Understanding flowcharts and sequencing 1 – Flowol Digital literacy IDEA award 1a 	<ul style="list-style-type: none"> Understanding flowcharts and sequencing 1 – Flowol Digital literacy IDEA award 1b 	<ul style="list-style-type: none"> Understanding block coding 1 – Scratch Digital literacy IDEA award 1b 	<ul style="list-style-type: none"> Understanding text coding 2 – Small Basic 	<ul style="list-style-type: none"> Understanding text coding 2 – Small Basic Digital literacy IDEA award 1c
<p>Pupils will be taught the following key themes:</p> <ul style="list-style-type: none"> School ICT network basics e-Safety 1: Issues with gaming Understanding algorithms Understanding flowcharts and sequencing 1 Introduction to block coding 1 Introduction to text based coding Introduction to practical block coding 2 <p>Digital literacy IDEA award 1</p>	<p>WH ICT network basics</p> <p>Understanding of the WH network protocols and systems: usernames / passwords / e-mail / VLE / etiquette, file management etc.</p> <p>e-Safety 1: Issues with gaming</p> <p>Understanding the PEGI system</p> <p>Online gaming dangers regarding grooming (BB story)</p>	<p>Introduction to algorithms</p> <p>Understanding the concept of algorithms and how to break down a problem.</p> <p>Introduction to flowcharts and sequencing 1 – Flowol</p> <p>Understanding of flowchart symbols and practically applying their understanding of algorithms to solve problems using the Flowol program.</p> <p>Digital literacy IDEA award 1a</p> <p>Introduction to the IDEA certificated award and completion of specific badges</p>	<p>Introduction to flowcharts and sequencing 1 – Flowol</p> <p>Understanding of flowchart symbols and practically applying their understanding of algorithms to solve problems using the Flowol program.</p> <p>Digital literacy IDEA award 1b</p> <p>Continuance of the IDEA certificated award and completion of specific badges</p>	<p>Introduction to block coding 1 – Scratch</p> <p>Development of Flowol sequencing project onto block based coding using Scratch to create functional coded programs and develop understanding further of practical coding.</p> <p>Digital literacy IDEA award 1b</p> <p>Continuance of the IDEA certificated award and completion of specific badges</p>	<p>Introduction to text coding 1 – Small Basic</p> <p>Development of Scratch block based programming onto text based coding using Small Basic to create functional coded programs and develop understanding further of practical coding - TURTLE</p>	<p>Introduction to text coding 1 – Small Basic</p> <p>Development of Scratch block based programming onto text based coding using Small Basic to create functional coded programs and develop understanding further of practical coding - TURTLE</p> <p>Digital literacy IDEA award 1c</p> <p>Continuance of the IDEA certificated award and completion of specific badges</p>
Assessment	e-safety 1: Issues with gaming unit	Introduction to algorithms unit Introduction to Flowol 1	Introduction to Flowol 1	Introduction to Scratch unit	Introduction to Small Basic unit	Introduction to Small Basic unit Progress of Digital Literacy IDEA program

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Year 8 THEMES	<ul style="list-style-type: none"> • ICT network basics (recap) • e-Safety 2 : Issues with trolling • Understanding computer hardware / software / binary 1 	<ul style="list-style-type: none"> • Understanding computer hardware / software / binary 1 • Understanding QR codes and barcodes 	<ul style="list-style-type: none"> • Understanding spreadsheets • Understanding flowcharts and sequencing 2 - Flowgorithm 	<ul style="list-style-type: none"> • Introduction to text coding 2 – Small Basic 2 / Python • Digital literacy IDEA award 2b 	<ul style="list-style-type: none"> • Introduction to text coding 2 – Small Basic 2 / Python • Introduction to website coding – HTML 	<ul style="list-style-type: none"> • Introduction to website coding – HTML • Digital literacy IDEA award 2c
<p>Pupils will be taught the following key themes:</p> <ul style="list-style-type: none"> • e-Safety 2 : Issues with trolling • Understanding computer hardware / software / binary • Understanding spreadsheets • Understanding flowcharts and sequencing 2 • Introduction to text-based coding 2 • Introduction to website coding • Understanding QR codes and barcodes <p>Digital literacy IDEA award 2</p>	<p>WH ICT network basics</p> <p>Understanding of the WH network protocols and systems: usernames / passwords / e-mail / VLE / etiquette, file management etc.</p> <p>e-Safety 2 : Issues with online abuse</p> <p>Understanding the issues with online abuse and trolling</p>	<p>Introduction to computer hardware / software / binary</p> <p>Understanding the make-up of a computer and the function and operation of its main components eg: CPU, RAM etc. Basic understanding of the concept of binary in computers.</p> <p>Introduction to QR Codes and Barcodes</p> <p>Practical understanding of how QR and barcodes work, why used and how they can be related to binary in computers</p>	<p>Introduction to spreadsheets 1</p> <p>Understanding the MS Excel spreadsheet program and develop skills accordingly – Quiz project.</p> <p>Digital literacy IDEA award 2a</p> <p>Continuance of the IDEA certificated award and completion of specific badges</p>	<p>Introduction to text coding 2 – Small Basic</p> <p>Continued development of understanding text-based coding using Small Basic.</p> <p>Digital literacy IDEA award 2b</p> <p>Continuance of the IDEA certificated award and completion of specific badges</p>	<p>Introduction to text coding 2 – Small Basic</p> <p>Continued development of understanding text-based coding using Small Basic.</p> <p>Introduction to HTML tag mark-up coding language</p> <p>Continued development of understanding text based coding using HTML to create basic websites.</p>	<p>Introduction to HTML tag mark-up coding language</p> <p>Continued development of understanding text based coding using HTML to create basic websites.</p> <p>Digital literacy IDEA award 2c</p> <p>Continuance of the IDEA certificated award and completion of specific badges</p>
Assessment	e-safety 2: Issues with online abuse and trolling	Computer hardware / software / binary 1 unit QR Code unit	Spreadsheet quiz unit	Small Basic 2 unit	Small Basic 2 unit HTML unit	HTML unit Progress of Digital Literacy IDEA program

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Year 9 THEMES	<ul style="list-style-type: none"> ICT network basics (recap) e-Safety 3: Issues with sexting Adapting flowcharts to text-based programming 	<ul style="list-style-type: none"> Adapting flowcharts to text-based programming Understanding text based coding 	<ul style="list-style-type: none"> Understanding text- based coding Digital literacy IDEA award 3a 	<ul style="list-style-type: none"> Understanding networks & the Internet 	<ul style="list-style-type: none"> Understanding AI Digital literacy practical 1 	<ul style="list-style-type: none"> Digital literacy practical 1 Digital literacy IDEA award 3b (completion)
<p>Pupils will be taught the following key themes:</p> <ul style="list-style-type: none"> e-Safety 3: Issues with sexting Adapting flowcharts to text based programming Understanding text based coding Understanding computer networks and the Internet Digital literacy practical 1 Digital literacy practical 2 <p>Digital literacy IDEA award 3 (Completion)</p>	<p>WH ICT network basics</p> <p>Understanding of the WH network protocols and systems: usernames / passwords / e-mail / VLE / etiquette, file management etc.</p> <p>e-Safety 3: Issues with sexting</p> <p>Understanding the issues with sexting and up-skirting.</p>	<p>Introduction to flowcharts and sequencing 2 – Flowgorithm</p> <p>Continue developing the understanding of flowcharts and practical application of using the Flowgorithm program.</p> <p>Introduction to text coding 3 – Python</p> <p>Continued development of understanding text based coding using Python.</p>	<p>Introduction to text coding 3 – Python (cont.)</p> <p>Continued development of understanding text based coding using Python.</p> <p>Digital literacy IDEA award 3a</p> <p>Continuance of the IDEA certificated award and completion of specific badges</p>	<p>Introduction to computer networks & the Internet</p> <p>Understanding why we have computer networks (benefits/disadvantages) and an understanding of how the Internet functions.</p>	<p>Understanding Artificial Intelligence</p> <p>Understanding AI (benefits/disadvantages)</p> <p>Basic digital literacy skills 1</p> <p>Basic presentation skills on MS Office software in preparation for KS4 courses.</p>	<p>Basic digital literacy skills 1</p> <p>Basic presentation skills on MS Office software in preparation for KS4 courses.</p> <p>Digital literacy IDEA award 3b</p> <p>Completion of the IDEA certificated award.</p>
Assessment	e-safety 3 Issues with sexting unit	Flowgorithm 2 unit	Introduction to text coding (Python) unit (Core assessment)	Introduction to Computer networks unit	Collation assessment of digital skills tasks	Collation assessment of digital skills tasks Completion of Digital Literacy IDEA program