

Computing Long Term Planning Overview.

Year: 7		HT1	HT2	HT3	HT4	HT5	HT6
Department: Computing & Business Studies	Big Idea / Curriculum Content	7.1 Collaborating online	7.2 Modelling data	7.3 Networks	7.4 Programming 1	7.5 Using Media – gaining support for a cause	7.6 Programming 2
	Assessments	CATs? Cyberbullying presentation	Mid way – MS Forms assessment UK Forestry spreadsheet	7.3 End of unit MS Forms summative assessment	Moves like Jim – Scratch problem solving	Create a blog for a cause on appropriate software	Pair programming project Multiple choice summative assessment Multiple choice end of year assessment
	Homework	E - Safety booklet to read with parents Presentation plan Completing presentation by collaborating online at home	Pixel Art Flag MS Forms recap quiz Revision of skills learnt	My Networks – researching home network Matching definitions from the unit	Sequencing and variables Ms Forms quiz (literacy keywords) Sequence, conditions and operators Ms Forms quiz (literacy keywords)	News article case study Audience identification	Lists Revision for end of year assessment

Year: 8		HT1	HT2	HT3	HT4	HT5	HT6
Department: Computing & Business Studies	Big Idea / Curriculum Content	Computing Systems	8.2 Developing for the web	8.3 Introduction to Python programming	8.4 Media – Vector graphics	8.5 Mobile app development	Representations from clay to silicon
	Assessments	Multiple choice MS Forms quiz	MS Forms quiz mid point assessment Website created in html	MS Forms summative quiz	Peer assessment of final project Summative assessment of final project	Peer assessment of final project Summative assessment of final project	Summative MS Forms quiz
	Homework	D is for Digital (Literacy) Identify the outputs from the inputs Revision for end of unit assessment	Html key words (literacy) CSS article poster leaflet (Literacy) Googlewack keyword search terms activity	Solutions to Python Writing Python programs	Vector graphics keywords Designa typeface	Home screen design Selection	Drums and code - Morse code Binary addition

Year: 9		HT1	HT2	HT3	HT4	HT5	HT6
Department: Computing & Business Studies	Big Idea / Curriculum Content	9.1 Cybersecurity	9.6 Representations – going audiovisual	Business Studies	9.5 Python programming with sequences of data	9.2 Data Science	9.3 Media animations
	Assessments	MS Forms summative assessment	Summative MS Forms quiz	Marketing mix assessment	Summative MS Forms quiz	School litter project data analysis	MS Forms summative assessment
	Homework	You and your data Social engineering Revision for end of unit assessment	Mosaics in mobiles Data in RGB & binary File size conversions	Business Ideas Marketing Mix homework	Playlist output program Revision	Space data visualisation Revision	Research animations exposed to this week Planning your film

Year: 10 Computer Science		HT1	HT2	HT3	HT4	HT5	HT6
Department: Computing & Business Studies	Big Idea / Curriculum Content	Topic 1/6: Intro to programming	Topic 1/6: String manipulation, conditionals and iteration	Topic 1/6: Lists, loops, procedures, functions, sub-programs	Topic 1/6: string format, 2ds lists, search, sort, text.	Topic 2: Data Data 1 Binary	Topic 2: Data Data 2 Hex, ASCII, text, Data 3 Images, sound, compression.
	Assessments	Mid-point Forms test topic 1.1 - 1.5	Mid-point Forms test 2, topic 1.6 - 1.11 Christmas mock paper	Mid-point Forms test 2, topic 1.12 - 1.18	Mid-point Forms test 2, topic 1.19 - 1.24	Mid-point Forms Topic 2 test, topic 1	End of Topic 2 Test / end of year 10
	Homework	Programming & IDE. Decomp & algorithms. Data types & variables. Inputs and integers. Error detection. Mid-point test revision including Senenca, EEDI & GCSEPod	String manipulation. Selection – If, Elif. Readability. Boolean operators. Repetition – while. Mid-point test revision including Senenca, EEDI & GCSEPod	1D lists. Loops, range and function. Procedures, functions & sub-programs. Mid-point trest revision. Mock revision including Senenca, EEDI & GCSEPod	String manip. 2D list, Validation. Searches. Merge sort. Reading files. String processing. Writing files. Authentication.	Binary. Unsigned integers. Arithmetic Two's complement. Shifts. Mid-point test revision including Senenca, EEDI & GCSEPod	HEX. ASCII, Bitmaps 1. Bitmaps 2. Sound 1. Sound 2. Compression. Mid-point test revision including Senenca, EEDI & GCSEPod.

Year: 11 Computer Science		HT1	HT2	HT3	HT4	HT5	HT6
Department: Computing & Business Studies	Big Idea / Curriculum Content	Topic 3: Computers 3.2 Hardware & Software	Topic 4 Networks (all)	Topic 6: Problem solving with programming	Topic 5: Issues and Impacts	Revision	
	Assessments	End of Topic 3 Computers MS Forms test	End of Topic 4 Computers MS Forms test	March Paper 2 mock	End of Topic 5 Issues and Impacts end MS Forms test General GCSE paper 1 and 2	Topic by topic series of targeted activities involving written questions, MS Forms tests, Seneca, GCSEPod. Past papers, EEDI, Pixl and Bitesize.	
	Homework	O/S General O/S: File management O/S: Process management O/S Peripheral & User management Utility Software Q1&2 all, Q3 explorer-all H/W's Test revision inc Seneca, EEDI & revision guide/workbook. General paper 1 Mock revision	LAN/WAN Network Speed Connectivity Wired vs. Wireless Topologies Packet Switching TCP/IP 1 Q1&2 all, Q3 explorer-all H/W's Test revision inc Seneca, EEDI & revision guide/workbook.	Programming, Decomp./Abs., data types, flowcharts. String manipulation, conditionals and iteration. Lists, range, functions and subs. Text files. Trace tables, errors. Mockrevision inc Seneca, EEDI & revision guide/workbook.	Environment: manu & use. Environment: e-waste. Ethical and legal. Cybersecurity Paper 1 and 2 revision. GCSE revision inc Seneca, EEDI & revision guide/workbook, PIXL, PGOonline past paper.	Topic 1 questions Topic 6 questions Topic 2 questions Topic 3 questions Topic 4 questions Topic 5 questions	