

Long Term Overview KS4 ICT

Unit Title	Excel	Database	Functional Skills L1	Functional Skills L1	Functional Skills L2	Functional Skills L2
Term	Autumn (a)	Autumn (b)	Spring (a)	Spring (b)	Summer (a)	Summer (b)
No. Weeks	8 Weeks	7 Weeks	6 Weeks	5 Weeks	7 Weeks	7 Weeks
Overview Year 10	<ul style="list-style-type: none"> I can insert text and numerical data and insert and delete a row/column I can amend text and numerical data and use formulae and basic functions I can replicate formulae (fill) and recalculate data I can create graphs I can align text and numerical data and format numerical data I can display rows and columns to show borders/shading I can enter graph and axes titles and set axes upper/ lower limits I can use legend I can set page layout, insert headers and footers and print the spreadsheet with data showing in full as a table 	<ul style="list-style-type: none"> I can open and use existing database I can create new records and delete records I can amend and replace data I can save data (table, query, report) with specified name I can print data I can select data on one criterion I can select data on two criteria I can sort data I can present selected fields I can produce simple database report(s) I can set page orientation I can display data in full I can display page headers/footers (page number, date) 	<ul style="list-style-type: none"> I can identify the ICT requirements of a straightforward task I can interact with and use ICT systems to meet requirements of a straightforward task in a familiar context I can manage information storage I can follow and demonstrate understanding of the need for safety and security practices I can use search techniques to locate and select relevant information I can select information from a variety of ICT sources for a straightforward task 	<ul style="list-style-type: none"> I can enter, develop and refine information using appropriate software to meet the requirements of straightforward tasks I can use appropriate software to meet requirements of straightforward data-handling task I can use communications software to meet requirements of a straightforward task I can evaluate own use of ICT tools <p>Students will complete Practice Exams at Level 1</p>	<ul style="list-style-type: none"> I can plan solutions to complex tasks by analysing the necessary stages I can select, interact with and use ICT systems safely and securely for a complex task in non-routine and unfamiliar contexts I can manage information storage to enable efficient retrieval I can use appropriate search techniques to locate and select relevant information I can select information from a variety of sources to meet requirements of a complex task 	<ul style="list-style-type: none"> I can enter, develop and refine information using appropriate software to meet requirements of a complex task I can use appropriate software to meet the requirements of a complex data-handling task I can use communications software to meet requirements of a complex task I can combine and present information in ways that are fit for purpose and audience I can evaluate the selection, use and effectiveness of ICT tools and facilities used to present information <p>Students will complete Practice Exams at Level 2</p>
Visits/Visitors						

Long Term Overview KS4 ICT

Unit Title	Computer Science GCSE	Computer Science GCSE	Algorithms, Programming & Development	Data and Representation	Revision
Term	Autumn (a)	Autumn (b)	Spring (a)	Spring (b)	Summer (a)
No. Weeks	8 Weeks	7 Weeks	6 Weeks	5 Weeks	7 Weeks
Overview Year 11	<ul style="list-style-type: none"> I can make judgements about digital content when evaluating and repurposing it for a given audience I know the audience when I am designing and creating digital content I know the potential of information technology for collaboration when computers are networked I can use criteria to evaluate the quality of solutions and can identify improvements making some refinements to the solution, and future solutions. I can give examples of why and when computers are used. I know the main functions of the operating system I know the difference between physical, wireless and mobile networks 	<ul style="list-style-type: none"> I know how to effectively use search engines I know how search results are selected, including the use of 'web crawler programs' by search engines I can select combine and use Internet services e.g. E-mail, Skype and Messenger I can show responsible use of technologies and online services and I know a range of ways to report concerns 	<ul style="list-style-type: none"> I show an awareness of tasks best completed by humans or computers I can design solutions by decomposing a problem and create a sub solution for each of these parts (decomposition) I know that different solutions exist for the same problem I know the difference between, and can appropriately use if and if, then and else statements. I can use a variable and relational operators within a loop to govern termination I can design, write and debug modular programs using procedures I know that a procedure can be used to hide the detail with sub-solutions (procedural abstraction) 	<ul style="list-style-type: none"> I can perform more complex searches for information e.g. using Boolean and relational operators I can analyse and evaluate data and information, and I know that poor quality data leads to unreliable results and inaccurate conclusions 	<ul style="list-style-type: none"> Past Papers
Visits/Visitors					