

Year 7 ICT Curriculum Overview



Year 7		HT1 Sept – Oct (8 weeks)	HT2 Nov – Dec (7 weeks)	HT3 (Jan – Feb (7 weeks)	HT4 Mar – Apr (6 weeks)	HT5 Apr – May (5 weeks)	HT6 Jun – Jul (7 weeks)
	Topic	Collaborating online respectfully, E-Safety, Digital Applications	Understanding Spreadsheets	Networks and Data Transfer	Understanding Programming and code (Sequencing)	Understanding Programming and Code (Subroutines)	Digital Applications, selection of Software and Media
	Why this and why now?	Start of the KS3 curriculum. Will give students an understanding of Health and Safety requirements and staying safe online. Will also allow student to improve basic Presentation skills.	To take learners from having very little knowledge of spreadsheets to being able to confidently model data with a spreadsheet. Gives the learner essential knowledge. Will also give students an understanding of analysis of information, which will be crucial as students follow the curriculum.	Learners will learn the basics of a computer system. Learners will gain an understanding of the hardware and software that computers use. Learners will also consider the internet and how it is connected. Learner understanding will inform future projects during KS3.	Learners need to understand the fundamentals of how a computer follows specific instructions to be able to carry out tasks. Learners are taught the fundamentals of coding by creating lines of code utilising algorithms to program a computer to carry out meaningful tasks. Scratch programming starts learners off by allowing them to block code, utilising building blocks of coding instructions which helps to visualise the coding process before they gain confidence to graduate to more traditional coding utilising more advanced programs such as Python, which is used in Computer Science at KS4	Learners will gain a further understanding of digital applications. This is a follow on from the work done in ½ term 1. Students will understand the importance of sourcing information and presenting this information in an appropriate manner. This unit of work links in with other units of work in KS3. It will also enable learners to gain knowledge and understanding that would help them in KS4 Digital courses.	
	What is the essential knowledge that needs to be remembered?	Learners will be able to login to the school system both in and outside of school. Learners will start to familiarise themselves with learning and working remotely if the school is not accessible through reasons of closure or sickness. Learners will know and understand how to use computers safely both in the classroom and online.	Using basic Functions to write their own Formulae. This unit will give learners a good set of skills that they can use in computing lessons and in other subject areas.	Understanding of basic computer protocols and how networks are created using wired and wireless networks. The internet. Students will look at the world wide web and gain an understanding of how it works.	Learners will learn the structure upon how codes are built, following a set structure of commands to program a computer successfully.	Learners will demonstrate skills in digital applications such as Microsoft Applications (Word, PowerPoint, Edge). Learners will also be able to identify credible sources of information to be presented. Presentation is important and students will gain knowledge of how and why information is presented appropriately.	
	What is the assessment intent and how will you assess?	Learners will demonstrate prior knowledge of ICT from KS2 through completing an online baseline assessment. Assessment will be a summative assessment based on topics learned. There will also be an ongoing formative	Learners will complete a project based on real world examples, using a variety of FUNCTIONS that they have learnt to create FORMULAS to provide solutions to problems. There will also be an ongoing formative assessment based on	Assessment will be a summative assessment based on topics learned. There will also be an ongoing formative assessment based on student work. This will be both Peer and Teacher led.	Learners will be assessed by producing an assessed scratch project. Feedback will be given using a Rubric of information. There will also be an ongoing formative assessment based on student work. This will be both Peer and Teacher led.	Assessment will be a summative assessment based on topics learned. There will also be an ongoing formative assessment based on student work. This will be both Peer and Teacher led.	

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	assessment based on student work. This will be both Peer and Teacher led	student work. This will be both Peer and Teacher led.			
What should the end point look like	Learners will demonstrate prior knowledge of ICT from KS2 through completing an online baseline assessment. Learners will be able to identify aspects of computer safety and use Microsoft applications.	Learners able to confidently implement skills and knowledge learnt and apply to tasks based on spreadsheet modelling. Learners will be able to use simple formula and analyse data.	Learners will be able to identify the hardware associated with networks. Learners will also understand how networks are connected.	Learners will be confident in creating blocks of code to solve a problem. Learners can reorganise blocks of code in a logical sequence. Learners can reorganise existing code to make it work properly.	Learners will have improved their technical skills in Microsoft applications. They will also understand the law surrounding the internet and the credibility of information that is researched.
Wider Curriculum Links	The learning will link to current affairs – GREAT Lives and the world outside of school. Numeracy and Literacy skills will be used as well as references to technological developments, historical events, and geographical areas. Curriculum links to: Maths English Science	The learning will link to current affairs – GREAT Lives, and the world outside of school. Numeracy and Literacy skills will be used as well as references to technological developments, historical events, and geographical areas. Curriculum links to: Maths English Science	The learning will link directly to and enhance their numeracy and literacy skills as well as the use of ICT throughout. Understanding of the world of work and GREAT Lives will also link throughout. Curriculum links to: Maths English Science	The learning will link directly to and enhance their numeracy and literacy skills as well as the use of ICT throughout. Understanding of the world of work and GREAT Lives will also link throughout. Curriculum links to: Maths English Science	The learning will link to current affairs – GREAT Lives, and the world outside of school. Numeracy and Literacy skills will be used as well as references to technological developments, historical events, and geographical areas. Curriculum links to: Maths English Science
How does the topic relate to the National Curriculum?	The topic meets the NC statement requirements for strands 3.8/3.9	The topic meets the NC statement requirements for strands 3.1/3.7	The topic meets the NC statement requirements for strands 3.5	The topic meets the NC statement requirements for strands 3.2/3.3/3.4/3.8	The topic meets the NC statement requirements for strands 3.7/3.8