

Subject Intent: ICT

Our curriculum offer seeks to follow the National Curriculum prioritising emotional wellbeing alongside academic achievements in order to meet the individual needs of our pupils, this is exemplified by a robust and cumulative curriculum in which skills and knowledge developed at each stage of learning (i.e. year 7) support the development of skills in later stages.

ICT gives pupils the skills to safely be able to use digital platforms safely in the modern world. The curriculum also covers a range of social issues such as fake news, social bias and radicalisation. As part of British values we also cover the law based around the appropriate and safe use of the internet and E-safety.

Pupils in key stage 3 will follow a carefully structured programme developing digital literacy skills across a range of different software (e.g. word processing, spreadsheet creation and presentation development), culminating in a functional skills qualification by the end of the key stage.

Pupils in key stage 4 will build on the functional ICT skills developed in key stage 3 and follow the introductory BTEC Level 1 in Information technology course and functional skills level 2. This course gives pupils the opportunity to apply the skills they have gained throughout key stage 3 to real life scenarios and develop a greater understanding of the digital industry.

The ICT curriculum empowers learners with the skills and knowledge to use and apply in further education, training and employment. The modern job market expects young people to be proficient in range of software. The curriculum also cover the use of ICT in professional pathways often taken by pupils such as mechanics, construction, catering, sports and leisure and digital media.

Also, the curriculum is strategically planned to scaffold the skills required to make successful progress demonstrated through project-based learning in which the application of ICT skills is applied to real life digital scenarios. In addition, the ICT curriculum will provide opportunities for the development of literacy and numeracy skills through document creation, data presentation and analysis and problem-solving scenarios. E-Safety is a high priority in this subject and is carefully taught and reinforced at all stages of learning.

We strive to enthuse and prepare our young people for the wider world of work to develop the skills imperative to our pupils' ability to cope in the wider world and their ability to sustain employment this is incorporated through collaborative working and exposure to industry professionals and digital businesses. Educational visits will include The Sharp Project in which year 10 pupils will experience what it is like to work within a digital media Hub, along with visits to local radio stations and universities. Other opportunities will include work experience through the digital advantage project in which pupils will have the chance to work in a local digital media agency (dentsu aegis). This opportunity will be available in both key stage 3 and 4.

Our ambition for all pupils, is to be given opportunities that will offer them the best understanding of how to be successful in 21st Century Britain. We prioritise communication and literacy skills in every lesson through participating in group work, self and peer assessment and the written elements of the BTEC and functional skills qualifications. Functional literacy and numeracy will be embedded in all ICT lessons.

Cultural capital is provided through a programme of off-site visits and experiences: Visits to places of interest such as radio stations, studios and digital marketing agencies, relevant to topics being studied for example, 'Creating a digital product.' Understanding of different cultures and life experiences will also be embedded into classroom teaching through a broad range of scenario based work, such as the Sharp project and Digital Advantage project. ICT will also be heavily embedded into school drop down days and charitable events for example see year 10 summer 2.

We strive to ensure our young people are developing the skills and knowledge they need to make and implement informed and aspirational career decisions throughout their working life. We do so through extracurricular opportunities such as working with other agencies like Digital advantage and through project based learning which works alongside our careers programme

We pride ourselves on our high expectations of what our young people can achieve. Our initial assessments seek to judge accurately and rigorously the pupils' starting points and our target setting always seeks to move the pupil to the next level. Achievement is celebrated throughout in informal and formal ways : through peer and teacher positive comments in class, work put on display, weekly ICT "work of the week "certificates presented in assembly, to more formal subject awards at termly awards assemblies

		Term 1		Term 2		Term 3	
Weeks		7	7	6	6	6	7
Year 7	Core Knowledge/ Skills and Concepts	E-safety: a) Safe use of the internet b) Identify dangers of the internet c) Uses of social media d) Understand what Cyber bullying and trolling is e) Understanding what grooming is and how to stay safe	Desktop publishing a) Understand the use of different fonts b) Understand the use and effect of colour when word publishing c) Using, creating and manipulating graphical objects d) Designing for an audience	Spreadsheets software a) Navigation of cells b) How spreadsheets are used c) Creating basic formulas (+ - / *) d) Using basic functions (sum, min, max and average) e) Finding information f) Graphical objects in spreadsheet software	Database software a) What is a database b) Navigation of database c) Using and creating forms d) Creating a query	Presentation software a) How is presentation software used? b) Designing a PowerPoint c) Using the slide master and other view modes d) Graphical objects e) Charts and graphs	Animation/multimedia (scratch) a) . what is stop motion animation b) 2. story boarding c) 3. creating a stop motion animation d) 4. creating a stop motion animation e) 5. scripting and sound recording f) 6. combining audio and video g) 7. Presentation
	How will it be assessed?	Pupils will create a poster presentation by the end of the autumn term demonstrating their knowledge of E-safety and applying the skills they have developed in desktop publishing. Pupils will be given the marking criteria in advance of the assignment		There will be a test at the end of the Spring term where pupils will be assessed on the content they have learned this term. Each pupil will be assessed weekly against the lesson objectives and feedback given through the 'yellow stickers'.		Pupils will create a small portfolio of evidence in the form of a PowerPoint presentation. Highlighting the design processes, they went through to create their short animation on scratch. Evidence will include a PowerPoint presentation, storyboards and content planning along with the final animation	
	Why are we doing this now? How does this build on prior knowledge and the knowledge still to come?	This is a bridging unit designed to run alongside literacy testing in first half-term. Activities show which KS2 skills still need to be embedded and help to ascertain true starting points and pupil targets for first term.	This unit will consolidate learning from the previous unit and introduce the concept of document creation for a specific purpose.	This unit will introduce both spreadsheet and database software, a key component of the level 1 functional skills curriculum. Pupils will be introduced to what a spreadsheet and database are and how they are used in the real world, as well as how to input data and make basic queries.		This unit builds on presentation skills developed at key stage 2. Pupils will revisit how to create a basic PowerPoint presentation whilst being introduced to the creative and design process used by digital animators.	
	Weekly Focus	1. Introduction to E-Safety 2. Cyber Bullying and Trolling 3. What is Grooming 4. Social media 5. E-safety Recap 6. Assignment preparation 7. Assignment preparation/presentation	1. What is desktop publishing 2. Text formatting 3. Graphical objects 4. leaflets 5. publishing for an audience 6. Assignment preparation 7. Assignment	1. what is a spreadsheet 2. creating a basic formula 3. Using sum/min/max/average 4. Filtering information 5. Graph/charts 6. Assessment	1. What is a database 2. data types and primary keys 3. Relational databases 4. forms 5. queries and reports 6. assessment	1. introduction PowerPoint 2. slide master 3. text formatting 4 graphical objects 5. charts and graphs 6. transitions	1. what is stop motion animation 2. story boarding 3. creating a stop motion animation 4. creating a stop motion animation 5. scripting and sound recording 6. combining audio and video 7. Presentation
Year 8	Weeks	7	7	6	6	6	7
	Core Knowledge/ Skills and Concepts	Presentation software a) Use of view modes b) Design principles c) Text formatting d) Graphical objects e) Transitions and animations f) Video and sound g) Hyperlinks	Multimedia/ web design a) storyboarding b) wireframing c) hyperlinks d) Prototype e) Evaluation and analysis	E safety a) Cyber bullying and social media b) Cat phishing and Phishing c) Hacking d) The dark web	Spreadsheets a) creating formulae b) Decision making functions (IF, AND) c) Conditional formatting d) Formatting Graphs/Charts	Business project a) Generating ideas b) Research skills (primary and secondary) c) Design principles d) Prototyping	Business project a) Evaluation and analysis skills b) Advertising and marketing c) Projections and modeling
	How will it be assessed?	Pupils will create a small portfolio of evidence in the form of a PowerPoint presentation. Highlighting the design processes, they went through to create their own website including a logo design and site map. Evidence will include a PowerPoint		Pupils will create a poster/video presentation by the end of spring term 1 demonstrating their knowledge of E-safety and applying the skills they have	There will be a test at the end of the Spring term where pupils will be assessed on the content they have learned this term. Each pupil will be	Complete business portfolio, including ppt, flyers, and spreadsheets and web page design Pupils will be given the marking criteria in advance	

		presentation, storyboards and content planning along with the final web design		developed in presentation/multimedia units Pupils will be given the marking criteria in advance of the assignment	assessed weekly against the lesson objectives and feedback given through the 'yellow stickers'.		
	<i>Why are we doing this now? How does this build on prior knowledge and the knowledge still to come?</i>	This unit will build on the skills developed in year 7 consolidating their knowledge of PowerPoint creation and further developing and applying their designing skills to web design. Pupils will become more independent in producing a portfolio of evidence		This unit will build on the learning from year 7 term 1 in which pupils discussed what E safety was. pupils will apply this knowledge to discuss and debate a range of social issues surrounding the digital world	This unit will build on the spreadsheet skills developed in year 7. Pupils will begin to use more sophisticated formulas and begin to use automated functions to improve productivity	This unit will consolidate all learning in ICT so far and apply the skills developed to a real life scenario. Pupils will have opportunity in this unit to develop entrepreneurial skills and explore future career opportunities. Furthermore, this unit will link in with PSE framework taught across key stage 3.	
	<i>Weekly Focus</i>	1. assignment preparation: generating ideas 2. slide master 3. formatting 4. graphical objects 5. transitions and animations 6. videos and sound 7. Hyperlinks	1. storyboarding 2. wireframing 3. hyperlinks 4. Prototype 5. analyse prototype 6. assignment preparation 7. assignment presentation	1. Cyber bullying and social media 2. Cat phishing and Phishing 3. Hacking 4 The dark web 5. Assignment preparation 6. Assignment presentation	1. creating formulae 2. Decision making functions 3. Decision making functions 4. Conditional formatting 5. Formatting Graphs/Charts 6. assessment	1. Generating an idea 2. Primary research 3. Branding/logo making 4. Secondary research 5. Product design 6. Prototype	1. Product testing/research 2. Data analysis 3. final product 4 marketing and advert 5. marketing and advert 6. assignment preparation 7. assignment presentation (awards day?)
	<i>Weeks</i>	7	7	6	6	6	7
	<i>Core Knowledge/ Skills and Concepts</i>	Document creation (publishing//word processing) a) Search engines b) Page formatting c) Text formatting d) Graphical objects	Document creation (presentation) a) Design principles b) Use of multimedia c) Applying special effects d) Interaction	Spreadsheets a) Filtering information b) Decision making functions c) Look up Functions	Using ICT a) researching a topic b) creating emails c) staying safe online d) protecting your files e) troubleshooting	Functional Skills Revision	Functional Skills Exams
	<i>How will it be assessed?</i>	There will be a test at the end of the Autumn term where pupils will be assessed on the content they have learned this term. Each pupil will be assessed weekly against the lesson objectives and feedback given through the 'yellow stickers'.		There will be a test at the end of the Spring term where pupils will be assessed on the content they have learned this term. Each pupil will be assessed weekly against the lesson objectives and feedback given through the 'yellow stickers'.		Pupils will complete the ICT Functional skills (level depending upon level achieved in mock exams)	
	<i>Why are we doing this now? How does this build on prior knowledge and the knowledge still to come?</i>	This unit introduces the idea of working to a specification a creating a document for a specific purpose. This unit will also introduce task 3 of the functional skills exam making pupils more familiar with the layout and style of question used in the exam.		In this unit pupils will consolidate previous learning of spreadsheets. Pupils will learn how to use more advanced spreadsheet functions to improve the productivity of their spreadsheets	This unit will consolidate learning across key stage 3 and will introduce tasks 1,4 and 5 of the functional skills exam. Making pupils more familiar with the layout and content of the exam.	This unit will include a range of revision based activities to consolidate learning across key stage 3 culminating in a the completion of the functional skills qualification at either level 1 or 2.	
	<i>Weekly Focus</i>	1. Assignment brief 2. Research chosen topic 3. page layout/design 4. text formatting 5. graphical objects 6. assignment preparation 7. assignment	1. Assignment brief 2. Research chosen topic 3. PowerPoint design 4. Slide master 5. Graphical objects 6. Effects and multimedia 7. Assignment presentation	1. Filtering information 2. Decision making functions 3. Look up Functions 4. Look up Functions 5. Examination Preparation 6. unit assessment	1. researching a topic 2. creating emails 3. staying safe online 4. protecting your files 5. troubleshooting 6. unit assessment	1. spreadsheet revision 2. spreadsheet revision 3. word processing 4. word processing 5. presentation 6. presentation	1. using ICT revision 2. using ICT revision 3. mock exam 4. mock exam 5. revision or exam 6. revision or exam 7. revision or exam
	<i>Weeks</i>	7	7	6	6	6	7
	<i>Core Knowledge/ Skills and Concepts</i>	Developing a progress plan a) Thinking of a goal b) Careers in ICT c) Researching careers d) skills needed for chosen goal e) Skills audit f) setting Smart targets	Spreadsheets a) design and layout b) basic formula and functions c) decision making functions d) look up functions e) graphical objects	Digital Product a) content planning b) recording and editing video c) recording and editing audio d) peer review/market research	Being organised a) time management b) organisational techniques c) planning tools d) review own organisation skills	DIT for an Audience (presentation) a) Design principles b) multimedia design c) storyboarding d) tools and techniques e) testing and reviewing content	Using DIT a) types of DIT b) email and communication c) text formatting d) social media e) E-safety
Year 9							
Year 10							

<i>How will it be assessed?</i>	Completion of a progress plan including SMART targets, skills audit and career research	Create a spreadsheet for a camping trip highlighting the costs in both numerical and graphical form. Using a range of formulas and functions to make the spreadsheet efficient	Plan, design and create multimedia content in either the form of an edited video or podcast.	Create a planner for a set period of time between 2-4 weeks including lessons, leisure activities and other activities outside school. Reflect and review how you will organise yourself	Completion of a detailed presentation following a given specification	Create a portfolio of documents used to organise a charity event including a social media post, information sheet, a job list and promotional materials.
<i>Why are we doing this now? How does this build on prior knowledge and the knowledge still to come?</i>	This unit will introduce the BTEC qualification to pupils. Pupils will have opportunity to research and learn about potential career options in ICT. Pupils will create an action plan.	This unit will utilise the skills developed at key stage 3. This unit will teach pupils how to apply the skills previously learnt to a real life scenario	Building upon the design skills developed in key stage 3 pupils will now apply the skills to design and create a digital product of their own	This unit will focus on the development of organisation skill and will build on the work from term 1. Pupils will use this unit to help organise themselves prior to exam season starting.	Building upon the design skills developed in key stage 3 pupils will now apply the skills to design and create a presentation following a given specification	This unit will use skills developed at key stage 3 and have pupils apply them in the organisation of an event or other real life scenario
<i>Weekly Focus</i>	1. Thinking of a goal 2. Careers in ICT 3. Researching careers 4. skills needed for chosen goal 5. Skills audit 6. setting Smart targets 7. assignment preparation	1. Assignment brief 2. design and layout 3. basic formula and functions 4. decision making functions 5. look up functions 6. graphical objects 7. assignment preparation	1. Assignment brief 2. content planning 3. recording and editing video 4. recording and editing audio 5. peer review/market research 6. assignment preparation	1. assignment brief 2. time management 3. organisational techniques 4. planning tools 5. review own organisation skills 6. assignment preparation	1. Assignment brief 2. multimedia design 3. storyboarding 4. tools and techniques 5. testing and reviewing content 6. assignment preparation	1. Assignment brief 2. types of DIT 3. email and communication 4. text formatting 5. social media 6. E-safety 7. assignment preparation

Year 11	<i>Weeks</i>	7	7	6	6	6	7	
	<i>Core Knowledge/ Skills and Concepts</i>	Website design a) Design principles b) web layout design c) navigation d) HTML tags e) development tools	Research a topic a) Search engines b) Research sources c) Identifying themes d) evaluation	Working with others a) debating a topic with others b) what makes a good team c) working in pairs and groups d) communicating in teams	Animation a) sourcing content b) digital graphic tools c) digital animation tools d) creating a digital animation	Year 11 study leave		
	<i>How will it be assessed?</i>	Web design portfolio including, designs, wire frames and complete web page	Choose a topic you would like to research. Develop a plan and timeframe in which to conduct your research. Record all sources you use and present your outcomes in a method of your choice.	Plan and organise a fundraising event. Debate which charity you wish to raise money for and work in teams plan and complete the event	Following a given specification create a static and animated for a website.			
	<i>Why are we doing this now? How does this build on prior knowledge and the knowledge still to come?</i>	Building upon the design skills developed in key stage 3 and year 10 pupils will now apply the skills to design and create a web page of their own	This unit will require skills developed throughout each stage of learning. Pupils will work independently to research a topic of their choice and present it in appropriate manner. This unit will develop organisational skills alongside functional ICT skills	This unit will require pupils to apply a variety of skills taught across both key stage 3 and 4. Applying their use of ICT in the organisation of an event. This unit will also develop a range of interpersonal skills and consolidate learning developed across the PSE curriculum.	Building upon the design skills developed in key stage 3 and year 10 pupils will now apply the skills to design and create an animation for a specific purpose			
<i>Weekly Focus</i>	1. Assignment brief 2. web layout design 3. navigation 4. HTML tags 5. development tools	1. Assignment brief 2. choosing a topic 3. research sources 4. identifying tasks to be completed	1. Assignment brief 2. debating a topic with others 3. what makes a good team 4. working in pairs and groups 5. communicating in teams	1. Assignment brief 2. sourcing content 3. digital graphic tools 4. digital animation tools 5. creating a digital animation	1. 2. 3. 4. 5.	1. 2. 3. 4. 5.		

		6. development tools 7. assignment preparation	5. reviewing progress 6. presenting outcomes 7. assignment preparation	6. 6. assignment preparation	6. assignment preparation	6.	6. 7.
--	--	---	--	------------------------------	---------------------------	----	----------