

## Long Term Overview KS3 ICT

Unit Title	E-Safety/Digital Literacy and ICT	Computer Science	Digital Literacy and ICT	E-Safety	Digital Literacy and ICT/Careers	Digital Media Content
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
<b>Overview Year 7</b>	<ul style="list-style-type: none"> <li>-Self Image and Identity</li> <li>-Online Relationships</li> <li>-Online Reputation</li> <li>-Online Bullying</li> <li>-Health, Wellbeing and Lifestyle</li> <li>-Students will complete a basic audit of Digital Literacy</li> <li>-Students will answer an ICT Questionnaire about their Use of ICT in life</li> <li>-Students will attempt basic word processing -They will complete a table and basic graph</li> <li>-Students will create a Teacher Database and perform a basic Query</li> <li>-Students will create a basic poster on Publisher</li> <li>- Students will Send/Receive Email and send an attachment</li> <li>-Students will write a letter on Word and send off to Celebrity asking for an autograph</li> <li>-Students will use Pivot to create an Animation</li> </ul>	<ul style="list-style-type: none"> <li>-Students will understand Computational Thinking- Decomposition and abstraction - Students will perform basic programming using Scratch. Students will create characters and complete a number of set tasks as well as experimenting with the program</li> <li>-Students will use Kodu programming to create games and worlds.</li> <li>-Students will code using a Sphero to write algorithms to control speed, direction, complete mazes and bowling</li> </ul>	<ul style="list-style-type: none"> <li>-Students will produce a presentation showing what mobile phones of today are capable of</li> <li>-Pupils will learn the Basics of using an I Pad</li> <li>-Students will create a pack of Top Trumps card on a topic of your choice</li> <li>-Students will use Word to produce a Magazine review of a computer game,</li> <li>-Students will use a search engine to research a country, answer questions and find products at the best price.</li> <li>-Students get to take part in an Enterprise project where they are allowed to purchase small items and then resell them over the Internet. Students must justify their decisions and attempt to make a profit</li> <li>-Pupils collect information online and in store about products</li> <li>-Students will do project accounts and analysis using Excel</li> </ul>	<ul style="list-style-type: none"> <li>-Students will use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</li> <li>-Students will watch a number of videos and will have group discussions and produce work on staying safe online.</li> <li>-Students will produce an E-Safety Poster</li> <li>-Students will Define E-Safety Terms</li> <li>-Copyright and Ownership</li> <li>-Privacy and Security</li> <li>-Managing Online Information</li> </ul>	<ul style="list-style-type: none"> <li>- Students will use digital cameras and gather examples showing all of the camera skills (zoom, flash, downloading images, battery life, portrait, landscape, autotimer and focus).</li> <li>Students will also gather examples of the formal elements of photography (colour, tone, shape, line and texture).</li> <li>-Students will digitally manipulate their images using editing software.</li> <li>-Use collected pictures/videos and moviemaker to produce a video showcasing the North East</li> <li>-Students will use I Pads for Geocaching</li> <li>-Students will use I Pads for 'what 3 words' location</li> <li>-What jobs are there at Cobalt Business Park?</li> <li>Students will take part in a Field Trip, Discussion with mindmap including Hidden Careers and jobs for initial infrastructure, Students will produce a Class Leaflet</li> </ul>	<ul style="list-style-type: none"> <li>Complete 4 Asdan tasks to gain 2 ASDAN credits</li> <li>-Design a questionnaire to find out what people think of your centre's website. Consider navigation, design, accessibility and ease of use</li> <li>-The design of a website can say a lot about a company, product or service and has an influence on their customers. Choose a website that you use frequently and analyse it. Consider:- Branding- logos, fonts, colour schemes - Styling- buttons, menus, icons- User experience- navigation, ease of use</li> <li>- Gather good and bad examples of digital content and media from websites and apps.</li> <li>- Using image editing software, show you can: rotate - crop - remove background - edit the colour - add a filter or effect to an image -Make an improved set of instructions for the software based on your experience</li> </ul>
<b>Visits/Visitors</b>						

## Long Term Overview KS3 ICT

Unit Title	Digital Literacy and ICT	Computer Science	Computer Science/Digital Manipulation	E-Safety	Website/Careers	Infrastructure
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
<b>Overview Year 8</b>	<ul style="list-style-type: none"> <li>-Students will produce a presentation showing what they have found out about 9/11</li> <li>-Students will produce a Keep Calm poster replicating the corporate style</li> <li>-Students will use shapes to create a poppy for remembrance day</li> <li>-Students will produce a table and line graph showing their guesses of how long 10 seconds is.</li> <li>-Students will produce a column chart showing box office takings of e.g. Harry Potter films with each film's poster filling the columns</li> <li>-Students will use Publisher to produce a Calendar for the next year with a theme and important dates</li> <li>-Students will use Publisher to produce their own Monopoly</li> <li>-Students will plan and design a Red Nose using Draw Plus</li> <li>-Students will set questions about their interests and put survey onto SurveyMonkey. Results will be analysed.</li> </ul>	<ul style="list-style-type: none"> <li>-Students will create games using Scratch and more complex animations</li> <li>-Students will use Apple's programming language on the App Swiftworks to complete challenges and input commands typed/selected to control the character and progress through increasingly complex levels.</li> <li>-Students will create a more complex game on Kodu. Using a lot more programming and options.</li> </ul>	<ul style="list-style-type: none"> <li>Students will use MSW Logo to program and control the turtle to do a variety of tasks.</li> <li>-Basic Shapes -Write initials</li> <li>-Write Numbers -Draw a house</li> <li>-Complicated repeat shapes</li> <li>Students will use Hour of Coding website to work on coding games</li> <li>-Students will use a variety of software to digitally manipulate pictures, they have taken or found online.</li> <li>-Students will scan a picture you have drawn and then colour in using Serif Draw</li> <li>-Students will use Draw Plus to change popular logos</li> <li>-Students will use Draw Plus to replicate/design own version of a logo</li> </ul>	<ul style="list-style-type: none"> <li>Students will use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</li> <li>-Students will watch e-safety videos and produce a PowerPoint answering what you would do in certain situations where you are at risk online.</li> <li>-Students will produce work looking at staying safe on Social Media</li> <li>-Students will learn how to create a Secure Passwords</li> <li>-Students will look at examples of Cyber Crime</li> <li>-Students will gain an understanding of Networks- Wired and Wireless, Topology</li> <li>-Produce a movie on Moviemaker. Discussion in class about topic. This could be a film about the school or staying safe online. We have produced Film trailers, animations and gone to News events or fairgrounds. Edit together with a soundtrack and titles, animations, transitions etc.</li> </ul>	<ul style="list-style-type: none"> <li>Students will create websites on Serif Webplus.</li> <li>-Students will identify parts of website: URL, Logo, Navigation Bar, Hyperlink, Hotspot, Image, Text</li> <li>-Students will plan a Website</li> <li>-Create Own Website</li> <li>-Creating Webpages</li> <li>-Create Navigation Bars</li> <li>-Adding Logo/Corporate Style</li> <li>-Add Text -Add Pictures</li> <li>-Hyperlink Text -Add Hotspot</li> <li>-Flash Galleries -Add Forms</li> <li>-Drop Down Menus</li> <li>-Add Radio Buttons</li> <li>-Students will look at jobs they can do within the IT industry and how IT is used in different jobs outside of the IT industry. What skills are needed in different IT jobs.</li> <li>-Students will Identify own skills and how they can be used in a job.</li> <li>-Students will look at 9 different jobs and how IT is used in the job- hacker, network designer, games designer, programmer, data analyst</li> </ul>	<ul style="list-style-type: none"> <li>Complete 4 Asdan tasks to gain 2 ASDAN credits towards their COPE L1/L2</li> <li>-Create a Basic Manual explaining the main components of a PC</li> <li>-Research the different types of storage device you would recommend, and why, for the following: - a gamer - a systems administrator - a small business looking to move a 10GB file between two computers</li> <li>-Passwords are an important part of network security. Research good password policies and create a poster explaining how to choose and maintain good passwords.</li> <li>-Examine the different risks faced by individuals and companies from component failure. Include examples of real-world mistakes resulting from poor backups practices. with reference to the hierarchy of risk control.</li> </ul>
<b>Visits/Visitors</b>						

## Long Term Overview KS3 ICT

Unit Title	Digital Literacy and ICT	Health and Safety	Computer Science	Word	PowerPoint	Publisher
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
<b>Overview Year 9</b>	<ul style="list-style-type: none"> <li>-Students will produce Word Documents showing what parts makes up a computer</li> <li>-Students will use Excel to create more complex model such as an arena ticketing system</li> <li>-Students will produce a variety of real world tables and graphs in Excel</li> <li>-Students will create the schools points system using correct formula and macro buttons linking different pages</li> <li>-Students will use Access to collect data and run queries and reports</li> <li>-Students will use PowerPoint to show what computers have done to change society</li> <li>-Students will use Publisher to create A-Z of ICT words for Wall display</li> <li>-Students will create a Business Card for your dream job</li> <li>-Students will create a Folding Pizza Menu with all relevant information</li> </ul>	<ul style="list-style-type: none"> <li>Complete 4 Asdan tasks to gain 2 ASDAN credits towards their COPE L1/L2</li> <li>-Learn safe techniques to carry out three routine jobs in the computing sector</li> <li>- As a group find out about the main causes of accidents in the computing sector and together produce a leaflet on safe practice</li> <li>-Identify five pieces of equipment that can help make the working environment more comfortable when using a computer for long periods</li> <li>-Find out what each piece of equipment costs and explain when, where and how each should be used.</li> <li>- Investigate two of the long-term health problems that can occur when working in computing</li> <li>-Produce guidance for employers on appropriate procedures to minimise risk</li> </ul>	<ul style="list-style-type: none"> <li>-Students will create complex games using Scratch</li> <li>-Students will create complex animations/drawings by programming your turtle on MSW Logo</li> <li>-Design Car/Bus</li> <li>-Programming Art</li> <li>-Mazes</li> <li>-Students will continue Learn to Code course using Apple programming language on Swiftworks</li> </ul>	<ul style="list-style-type: none"> <li>1a gain access to data using a login and password</li> <li>1b create new documents</li> <li>1c open existing document(s) *</li> <li>1d save documents</li> <li>1e print documents</li> <li>2a create and name files and Folders 2b rename a file or folder</li> <li>2c delete file/folder</li> <li>2d move a file 2e copy a file</li> <li>3a set page orientation</li> <li>3b set margins</li> <li>3c set text alignment</li> <li>3d enter text, numbers and Symbols 3e insert table</li> <li>3f apply borders</li> <li>3g insert headers/footers including automatic fields</li> <li>3h use bullets/numbering</li> <li>3i use tabs/indents</li> <li>3j use word count 4a set font type 4b set font size 4c emphasise text</li> <li>4d insert paragraph breaks</li> <li>4e insert text 4f move text</li> <li>4g delete text 4h set linespacing</li> <li>4i replace text</li> </ul>	<ul style="list-style-type: none"> <li>1a create presentation</li> <li>1b create text areas/text frames</li> <li>1c apply background consistently</li> <li>2a create new slide(s)</li> <li>2b change the order of the slide(s) 2c insert text</li> <li>2d use spell check</li> <li>2e use specified font sizes</li> <li>2f use bullets 2g apply alignment</li> <li>2h apply enhancement</li> <li>2i delete text *</li> <li>2j replace specified text</li> <li>2k promote/demote text</li> <li>3a insert graphic *</li> <li>3b insert lines/boxes</li> <li>3c shade or fill the drawn graphics 4a save the presentation</li> <li>4b save the presentation with new filename</li> <li>4c close presentation</li> <li>4d set the page orientation</li> <li>4e set the headers and footers</li> <li>4f print the presentation as slides</li> <li>4g print presentation as handouts 4h print presentation as outline view</li> </ul>	<ul style="list-style-type: none"> <li>1a set page size/orientation</li> <li>1b set margins</li> <li>1c create text areas/text frames</li> <li>1d set column widths/space between columns</li> <li>1e use serif/sans serif fonts</li> <li>1f use different font sizes</li> <li>2a import text file(s)</li> <li>2b import image(s)</li> <li>2c place images *</li> <li>2d place text *</li> <li>2e use line/border features to draw simple lines/shapes *</li> <li>3a apply alignment and justification</li> <li>3b enter and amend text *</li> <li>3c resize text *</li> <li>3d use spell check *</li> <li>3e manipulate image(s) *</li> <li>4a save publication(s)</li> <li>4b print and close document(s) in appropriate format</li> </ul>
<b>Visits/Visitors</b>						