

		Long Term Plan	Subject area – ICT	Area of learning DCF / ICT	Department- KS4	Year-10	
		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Theme or Topic	Endangered Species	Super Heroes	Desktop Publishing	Social Networking	Faking it	Animation	
Knowledge and skill areas covered	<p>Students will plan and create presentations about endangered animals. They will explore the concept of 'fitness for purpose' when using images, text, colour and sound to enhance their presentation.</p> <p>Planning / Resources Endangered Animals medium term planning available as a sample.</p>	<p>They find out what the term 'database' means and learn to access and use databases in different formats. They learn how to collect data and how to search for data effectively.</p> <p>Planning /Resources Lesson plans and resources to teach this unit are on http://www.teach-ict.com/</p>	<p>Students are going to improve their familiarity with using a DTP package by creating a school booklet / magazine. During this unit, students will focus on layout and suitability for audience.</p> <p>Planning / Resources Lesson plans and resources to teach this unit are on http://www.teach-ict.com/</p>	<p>Students learn that they have a digital footprint and that this information can be searched, copied and passed on, but that they can take some control based on what they post online</p> <p>Planning / Resources</p> <ol style="list-style-type: none"> Digital Literacy and Citizenship Module My Media module 	<p>Pupils will consider different techniques for customising and improving images. They will use graphics editing software to learn some of the more commonly used techniques in order to 'improve' the appearance various images. Graphics editing module.</p> <p>Planning / Resources Lesson plans and resources to teach this unit are on http://www.teach-ict.com/</p> <ol style="list-style-type: none"> Digital life 	<p>Students are going to learn about different methods of animation. During the course of this project they will use different software including Pivot Stick Figure Animator, Flash and Stop Frame Animation. They will create outputs which demonstrate these different methods.</p> <p>Planning / Resources Lesson plans and resources to teach this unit are on http://www.teach-ict.com/</p>	
LNF Links	<p>Use features which show the structure of writing e.g. subheadings Use language appropriate to writing Use different sentence structures Proof read their own work Interpret information presented in charts and diagrams and draw conclusions Explain results and procedures using mathematical language</p>	<p>Read and write numbers up to 100 Represent data using lists, tables, charts and diagrams Use bar charts, and bar line graphs Write with a clear purpose, showing consideration for the reader Use language appropriate to writing Use appropriate vocabulary</p>	<p>Show an understanding of different purposes and function of written language Write with a clear purpose, showing consideration for the reader Use language appropriate to writing Use appropriate vocabulary Explain results and procedures Draw conclusions from data and recognise that some conclusions may be misleading</p>	<p>Use different sentences structures, including complex sentences Use a variety of strategies to spell words Retell familiar stories in a simple way using pictures to support Explain results and procedures Draw conclusions from data and recognise that some conclusions may be misleading</p>	<p>Read suitable texts with accuracy Read aloud with expression Identify words and pictures on screen which identify simple text features such as titles and pictures to indicate what the text is about Exchange ideas in one to one and group sessions</p>	<p>Express a view about the information in a text Make links between texts read and other information about the topic Gather and organise information and ideas from different sources</p>	
WJEC Units	<p>Improving Productivity using IT Code 6382/E1 IT User Fundamentals Code 6385/E1 Presentation software Code 6393/E1 Word Processing Code 6391/E1</p>	<p>Improving Productivity using IT Code 6382/E1 IT User Fundamentals Code 6385/E1 Database Software Code 6387/E1 Spreadsheet software Code 6389/E1</p>	<p>Improving Productivity using IT Code 6382/E1 IT User Fundamentals Code 6385/E1 Desktop Publishing Code 6395/E1 Word Processing Code 6391/E1</p>	<p>Improving Productivity using IT Code 6381/E2 IT User Fundamentals Code 6384/E2 Online Basics Code 6404/E1 Using email Code 6401/E3</p>	<p>Improving Productivity using IT Code 6381/E2 IT User Fundamentals Code 6384/E2</p>	<p>Improving Productivity using IT Code 6381/E2 IT User Fundamentals Code 6381/E2 Audio and Video Software 6398/E2</p>	

DCF Links	<p>Citizenship Ship Interacting / Collaborating Producing Data Computational Thinking</p>	<p>Data / Computational Thinking</p>	<p>Producing</p>	<p>Citizenship</p>	<p>Producing Interacting and Collaborating</p>	<p>Data and computational thinking Producing</p>
Cross curricular links	<p>Citizenship (PSE) Understand how to protect themselves from online identity fraud Identify actions for cyber bullying</p> <p>Interacting and Collaborating (Literacy) Email Exchange online communication with other learners Send and receive emails</p> <p>Producing Plan how to complete a task in relation to identified success criteria Use key words to search for specific information Create edit multimedia components</p> <p>Data / computational Thinking Numeracy Predict the outcomes of simple sequences Collect and organise data into groups</p>	<p>Citizenship (Cross curricular) Identify appropriate behaviour when participating or contributing to online projects</p> <p>Interacting and Collaborating Email Exchange online communication with other learners Understand the rules for sharing images and data</p> <p>Producing Plan how to complete a task in relation to identified success criteria Use key words to search for specific information Give an opinion about their own work and suggest improvements</p> <p>Data / computational Thinking Follow a sequence of steps to solve a problem Record data collected into suitable formats e.g .tally charts, pictograms</p>	<p>Citizenship Identify the risks of installing software e.g. free and paid for software, virus protection</p> <p>Interacting and Collaborating Email Exchange online communication with other learners Acknowledge age restrictions and suitability of digital devices and media</p> <p>Producing Plan how to complete a task in relation to identified success criteria Use key words to search for specific information Import digitised components into presentations Modify and present a range of text, sound, animations</p> <p>Data / computational Thinking Predict the outcome of simple sequences of instructions Extract information from tables and graphs Record data using suitable formats</p>	<p>Citizenship Talk about the impact that digital contact can have Create an use secure passwords</p> <p>Interacting and Collaborating Email Exchange online communication with other learners Explain the advantages of communicating el Citizenship</p> <p>Producing Plan how to complete a task in relation to identified success criteria Use key words to search for specific information Create a written plan</p> <p>Data / computational Thinking Detect and correct mistakes in sequence of instructions (debug) Identify repetitions/loops in a sequence Begin to analyse data in given formats</p>	<p>Citizenship Understand the advantages and disadvantages of altering an image digitally</p> <p>Interacting and Collaborating Email Exchange online communication with other learners Make use of tools, send attachments an change formatting Citizenship</p> <p>Producing Plan how to complete a task in relation to identified success criteria Use key words to search for specific information Adjust keywords and search techniques to find relevant information</p> <p>Data / computational Thinking Begin to create data sets and extract information Use tools to sort/ search/ graph Input data into cells in a spreadsheet</p>	<p>Citizenship Talk about the impact of digital content shared online ,text, photographs, videos</p> <p>Interacting and Collaborating Email Exchange online communication with other learners Show an understanding of different forms of communication and when it is appropriate to use each, Video conferencing v email etc Producing Plan how to complete a task in relation to identified success criteria Use key words to search for specific information Combine a range of multimedia components to product and appropriate outcome Import images and add audio Data / computational Thinking Design simple sequences of instructions (algorithm)</p>

4 Purposes of the curriculum	Set high standards and seek and enjoy challenge Form positive relationships based on trust and mutual respect	Face and overcome challenges Use number effectively in different concepts	Connect and apply their knowledge and skills to create ideas and products Communicate effectively in different forms using Welsh and English	Use digital technologies creatively to communicate, find and analyse information	Understand and consider the impact of their actions when making choices Lead and play different roles in teams effectively Understand research and evaluate critically what they find Build on their mental and emotional wellbeing	Set high standards and seek and enjoy challenge Express ideas and emotions through different media
Purple Mash Links	2Publish- create texts 2DIY – create simple games and activities for students to develop writing skills Writing Frames – cross curricular writing frames 2Createastory – combine words, pictures to create stories 2Email	2 Calculate- Simple spreadsheets for beginners and beyond 2Code – teaching of coding , structured lessons – can be used as a module – Numeracy Count – design and make pictograms	2Publish create a range of different texts from a variety of templates including posters, leaflets and postcards Postcard projects	2Email – safe environment for teaching email within the school environment 2Blog – set up a class blog where pupils add blog posts and comment on each others posts 2Connect – collaborative mind mapping tool	2Paint Mashcams – inspire the writer by putting their face on a body and writing about it ,record spoken sentences 2Do ityourselfmultidrag- use the camera, paint tools or clipart to design a picture	2Animate – draw, capture or scan images, click play and watch animation
Hwb Links	Office 365 pupils have access to email, office apps and save and retrieving work to their one drive Work is accessible at home and school http://www.j2e.com/blank.html Digital notepaper http://www.j2e.com/j2write/	Hwb J2Easy – Coding http://www.j2e.com/j2data/ Data Handling http://www.j2e.com/j2code/	http://www.j2e.com/blank.html Digital notepaper http://www.j2e.com/j2write/	http://www.j2e.com/blank.html Digital notepaper http://www.j2e.com/j2write/ https://hwb.wales.gov.uk/online-safety (Esafety)	http://www.j2e.com/blank.html Digital notepaper http://www.j2e.com/j2write/	http://www.j2e.com/blank.html Digital notepaper http://www.j2e.com/j2write/

Guidance for using Purple Mash can be found in the manual 'Revised' LNF for Wales and DCF framework Purple Mash, copies can be found in year 10 folder.

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