

Year 9 Curriculum Overview Plan: ICT and Computing

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p><u>Key Theme:</u> Video techniques</p> <p><u>Key Concepts, Knowledge & Skills to be Embedded:</u> -Video codes and conventions -Camera shots and angles -Lighting techniques -Genre -Mis en scene -Representations</p>	<p><u>Key Theme:</u> Graphic skills- magazine creation</p> <p><u>Key Concepts, Knowledge & Skills to be Embedded:</u> -Magazine codes and conventions -Drawing, text and line tools -Cutout studio -Filters and effects</p>	<p><u>Key Theme:</u> Modern Technologies</p> <p><u>Key Concepts, Knowledge & Skills to be Embedded:</u> -Adhoc networks -Cloud storage -Cloud computing -Factors that affect platform selection</p>	<p><u>Key Theme:</u> Data information and Spreadsheets</p> <p><u>Key Concepts, Knowledge & Skills to be Embedded:</u> -Primary & secondary data -Quantitative and qualitative data -Big data -Data & information -Factors that affect data accuracy -Threats -Validation & verification -Absolute cell references -Vlookups -Pivot tables</p>	<p><u>Key Theme:</u> Web design</p> <p><u>Key Concepts, Knowledge & Skills to be Embedded:</u> -Website codes and conventions -Influences -Planning materials -Insertion of text and images -Navigation between pages -Interactive features e.g. rollovers, social media links, search bars, light boxes</p>	<p><u>Key Theme:</u> User interfaces and programming</p> <p><u>Key Concepts, Knowledge & Skills to be Embedded:</u> -Graphical user interfaces -Menu driven user interfaces -Command line user interfaces -Text based/speech/sensor user interfaces -Operating systems -Utilities -Subroutines -Lists -String handling -Reading and writing to files</p>

<p><u>Links to Prior Learning:</u> Video techniques are covered in year 8, Summer term 2. The camera shots and angles learnt then will be recapped and built on with more of a focus on lighting techniques and mis en scene.</p> <p><u>Key Assessment Pieces:</u> Knowledge and skills test set using Google forms</p> <p><u>Tier 3 Vocabulary Vault:</u> Shot composition Low/mid/high angle Full/mid/close up shot Canted</p>	<p><u>Links to Prior Learning:</u> Graphics skills have been covered in year 8, Autumn term 1. They can apply their knowledge of creating a leaflet to making a magazine.</p> <p><u>Key Assessment Pieces:</u> Teacher assessment of magazine using success criteria for judgment</p> <p><u>Tier 3 Vocabulary Vault:</u> Codes Conventions Colour scheme Font style Layout</p>	<p><u>Links to Prior Learning:</u> Cloud storage was covered in year 8, autumn term 2. The other topics are new.</p> <p><u>Key Assessment Pieces:</u> Knowledge and skills test set using Google forms</p> <p><u>Tier 3 Vocabulary Vault:</u> Ad Hoc networks Cloud storage Cloud computing Platform Portable</p>	<p><u>Links to Prior Learning:</u> Spreadsheets are covered in year 8, Spring term 1. The skills learnt then will be recapped and built on.</p> <p><u>Key Assessment Pieces:</u> Knowledge and skills test set using Google forms</p> <p><u>Tier 3 Vocabulary Vault:</u> Primary & secondary data Quantitative and qualitative data Big data</p>	<p><u>Links to Prior Learning:</u> Web design was covered in year 8, spring 2.</p> <p><u>Key Assessment Pieces:</u> Teacher assessment of website using success criteria for judgment</p> <p><u>Tier 3 Vocabulary Vault:</u> Codes Conventions Interactive Masterpage Navigation</p>	<p><u>Links to Prior Learning:</u> User interfaces will not have been covered before but programming has in Summer term1. The skills will be recapped and built on with more of a focus on subroutines, lists and reading and writing to files.</p> <p><u>Key Assessment Pieces:</u> Teacher assessment of user interface using success criteria for judgment</p> <p><u>Tier 3 Vocabulary Vault:</u> Graphical user interfaces Menu driven user interfaces</p>
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<p>Birdseye Establishing Key/practical/fill/high/back/available light</p> <p><u>Reading Exposure:</u> Video production knowledge organiser</p> <p><u>Strategies to enable new concepts, knowledge & skills to embed in long-term memory:</u> Repetition, Retrieval exercises (DIN's), chunking, low-stakes quizzing, true false, odd one out, false</p>	<p>Taglines Masthead</p> <p><u>Reading Exposure:</u> Magazine creation knowledge organiser</p> <p><u>Strategies to enable new concepts, knowledge & skills to embed in long-term memory:</u> Repetition, Retrieval exercises (DIN's), chunking, low-stakes quizzing, true false, odd one out, false</p>	<p>Syncing Compatibility Collaboration</p> <p><u>Reading Exposure:</u> Modern Technologies knowledge organiser</p> <p><u>Strategies to enable new concepts, knowledge & skills to embed in long-term memory:</u> Repetition, Retrieval exercises (DIN's), chunking, low-stakes quizzing, true false, odd one out, false</p>	<p>Data & information Validation Verification Absolute cell references Vlookups Pivot tables</p> <p><u>Reading Exposure:</u> Data information and spreadsheets knowledge organiser</p> <p><u>Strategies to enable new concepts, knowledge & skills to embed in long-term memory:</u> Repetition, Retrieval exercises (DIN's), chunking, low-stakes quizzing, true false, odd one out, false</p>	<p>Rollover Hotspot Banner Lightbox</p> <p><u>Reading Exposure:</u> Web design knowledge organiser</p> <p><u>Strategies to enable new concepts, knowledge & skills to embed in long-term memory:</u> Repetition, Retrieval exercises (DIN's), chunking, low-stakes quizzing, true false, odd one out, false</p>	<p>Command line user interfaces Text based/speech/sensor user interfaces Operating systems Utilities Subroutines Lists String handling Reading and writing to files</p> <p><u>Reading Exposure:</u> User interfaces and programming knowledge organiser</p> <p><u>Strategies to enable new concepts, knowledge & skills to embed in long-term memory:</u> Repetition, Retrieval exercises (DIN's), chunking, low-stakes quizzing, true false, odd one out, false</p>
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