

## Year 9 Curriculum Overview Plan: ICT and Computing

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p><b><u>Key Theme:</u></b> Web design</p> <p><b><u>Key Concepts, Knowledge &amp; Skills to be Embedded:</u></b>            -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><b><u>Key Theme:</u></b> Video techniques</p> <p><b><u>Key Concepts, Knowledge &amp; Skills to be Embedded:</u></b>            -Video codes and conventions            -Camera shots and angles            -Lighting techniques            -Genre            -Mis en scene            -Representations</p>	<p><b><u>Key Theme:</u></b> Graphic skills- magazine creation</p> <p><b><u>Key Concepts, Knowledge &amp; Skills to be Embedded:</u></b>            -Magazine codes and conventions            -Drawing, text and line tools            -Cutout studio            -Filters and effects</p>	<p><b><u>Key Theme:</u></b> Data information and Spreadsheets</p> <p><b><u>Key Concepts, Knowledge &amp; Skills to be Embedded:</u></b>            -Primary &amp; secondary data            -Quantitative and qualitative data            -Big data            -Data &amp; information            -Factors that affect data accuracy            -Threats            -Validation &amp; verification            -Absolute cell references            -Vlookups            -Pivot tables</p>	<p><b><u>Key Theme:</u></b> Modern Technologies</p> <p><b><u>Key Concepts, Knowledge &amp; Skills to be Embedded:</u></b>            -Adhoc networks            -Cloud storage            -Cloud computing            -Factors that affect platform selection</p>	<p><b><u>Key Theme:</u></b> User interfaces and programming</p> <p><b><u>Key Concepts, Knowledge &amp; Skills to be Embedded:</u></b>            -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><b><u>Links to Prior Learning:</u></b> Web design was covered in year 8, spring 2.</p> <p><b><u>Key Assessment Pieces:</u></b> Teacher assessment of website using success criteria for judgment</p> <p><b><u>Tier 3 Vocabulary Vault:</u></b> Codes Conventions Interactive Masterpage Navigation</p>	<p><b><u>Links to Prior Learning:</u></b> 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><b><u>Key Assessment Pieces:</u></b> Knowledge and skills test set using Google forms</p> <p><b><u>Tier 3 Vocabulary Vault:</u></b> Shot composition Low/mid/high angle Full/mid/close up shot Canted</p>	<p><b><u>Links to Prior Learning:</u></b> 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><b><u>Key Assessment Pieces:</u></b> Teacher assessment of magazine using success criteria for judgment</p> <p><b><u>Tier 3 Vocabulary Vault:</u></b> Codes Conventions Colour scheme Font style Layout</p>	<p><b><u>Links to Prior Learning:</u></b> Spreadsheets are covered in year 8, Spring term 1. The skills learnt then will be recapped and built on.</p> <p><b><u>Key Assessment Pieces:</u></b> Knowledge and skills test set using Google forms</p> <p><b><u>Tier 3 Vocabulary Vault:</u></b> Primary &amp; secondary data Quantitative and qualitative data Big data</p>	<p><b><u>Links to Prior Learning:</u></b> Cloud storage was covered in year 8, autumn term 2. The other topics are new.</p> <p><b><u>Key Assessment Pieces:</u></b> Knowledge and skills test set using Google forms</p> <p><b><u>Tier 3 Vocabulary Vault:</u></b> Ad Hoc networks Cloud storage Cloud computing Platform Portable</p>	<p><b><u>Links to Prior Learning:</u></b> 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><b><u>Key Assessment Pieces:</u></b> Teacher assessment of user interface using success criteria for judgment</p> <p><b><u>Tier 3 Vocabulary Vault:</u></b> Graphical user interfaces Menu driven user interfaces</p>
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<p>Rollover Hotspot Banner Lightbox</p> <p><b><u>Reading Exposure:</u></b> Web design knowledge organiser</p> <p><b><u>Strategies to enable new concepts, knowledge &amp; skills to embed in long-term memory:</u></b> Repetition, Retrieval exercises (DIN's), chunking, low-stakes quizzing, true false, odd one out, false</p>	<p>Birdseye Establishing Key/practical/fill/high/back/available light</p> <p><b><u>Reading Exposure:</u></b> Video production knowledge organiser</p> <p><b><u>Strategies to enable new concepts, knowledge &amp; skills to embed in long-term memory:</u></b> Repetition, Retrieval exercises (DIN's), chunking, low-stakes quizzing, true false, odd one out, false</p>	<p>Taglines Masthead</p> <p><b><u>Reading Exposure:</u></b> Magazine creation knowledge organiser</p> <p><b><u>Strategies to enable new concepts, knowledge &amp; skills to embed in long-term memory:</u></b> Repetition, Retrieval exercises (DIN's), chunking, low-stakes quizzing, true false, odd one out, false</p>	<p>Data &amp; information Validation Verification Absolute cell references Vlookups Pivot tables</p> <p><b><u>Reading Exposure:</u></b> Data information and spreadsheets knowledge organiser</p> <p><b><u>Strategies to enable new concepts, knowledge &amp; skills to embed in long-term memory:</u></b> Repetition, Retrieval exercises (DIN's), chunking, low-stakes quizzing, true false, odd one out, false</p>	<p>Syncing Compatibility Collaboration</p> <p><b><u>Reading Exposure:</u></b> Modern Technologies knowledge organiser</p> <p><b><u>Strategies to enable new concepts, knowledge &amp; skills to embed in long-term memory:</u></b> 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><b><u>Reading Exposure:</u></b> User interfaces and programming knowledge organiser</p> <p><b><u>Strategies to enable new concepts, knowledge &amp; skills to embed in long-term memory:</u></b> Repetition, Retrieval exercises (DIN's), chunking, low-stakes quizzing, true false, odd one out, false</p>
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