

Year 8 Curriculum Overview Plan: ICT and Computing

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p><u>Key Theme:</u> Using graphics to create a leaflet</p> <p><u>Key Concepts, Knowledge & Skills to be Embedded:</u> -Leaflet codes and conventions -Drawing, text and line tools</p> <p><u>Links to Prior Learning:</u> Graphics skills have been covered in Year</p>	<p><u>Key Theme:</u> Video editing</p> <p><u>Key Concepts, Knowledge & Skills to be Embedded:</u> -Video codes and conventions -Camera shots and angles -Insertion of text, images and video clips -Insertion of transitions and audio -Editing by cutting and trimming video and audio</p> <p><u>Links to Prior Learning:</u> This is the 1st time video editing skills</p>	<p><u>Key Theme:</u> Spreadsheets-advanced functions</p> <p><u>Key Concepts, Knowledge & Skills to be Embedded:</u> -Formulas -Functions -Graphs and charts -Conditional formatting</p> <p><u>Links to Prior Learning:</u> Basic spreadsheets skills were covered in</p>	<p><u>Key Theme:</u> Website creation</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>Links to Prior Learning:</u> This is the 1st time website creation</p>	<p><u>Key Theme:</u> Programming-advanced Python</p> <p><u>Key Concepts, Knowledge & Skills to be Embedded:</u> -Variables -Data types -Selection with If -Iteration</p> <p><u>Links to Prior Learning:</u> Basic programming skills have been</p>	<p><u>Key Theme:</u> Computer threats-viruses</p> <p><u>Key Concepts, Knowledge & Skills to be Embedded:</u> -Threats to data -Viruses -Hacking -Phishing/Pharming -Data protection act -Cloud storage</p> <p><u>Links to Prior Learning:</u> Some computer threats will have</p>

<p>7, Spring 2 when they created a logo.</p> <p><u>Key Assessment Pieces:</u> Teacher assessment of leaflet using success criteria for judgment</p> <p><u>Tier 3 Vocabulary Vault:</u> Audience Purpose Product Codes Conventions Content Style Colour scheme Font style Layout</p>	<p>will have been covered but the graphics skills learnt previously will be helpful and codes and conventions of media products.</p> <p><u>Key Assessment Pieces:</u> Teacher assessment of Video using success criteria for judgment</p> <p><u>Tier 3 Vocabulary Vault:</u> Low/mid/high angle Full/mid/close up shot Transition Overlay Storyboard Timeline</p>	<p>year 7, Summer term 1.</p> <p><u>Key Assessment Pieces:</u> Knowledge and skills test set using Google forms</p> <p><u>Tier 3 Vocabulary Vault:</u> Functions Data types Data validation Conditional formatting</p>	<p>skills will have been covered but the graphics skills learnt previously will be helpful and codes and conventions of media products.</p> <p><u>Key Assessment Pieces:</u> Teacher assessment of leaflet using success criteria for judgment</p> <p><u>Tier 3 Vocabulary Vault:</u> Codes Conventions Interactive Masterpage Navigation Rollover Hotspot Banner Lightbox</p>	<p>covered in year 7, summer term 2.</p> <p><u>Key Assessment Pieces:</u> Knowledge and skills test set using Google forms</p> <p><u>Tier 3 Vocabulary Vault:</u> Variables Data types Selection with If Iteration Count controlled Condition controlled</p>	<p>been covered in primary and in year 7, Autumn term 1 when online safety was covered.</p> <p><u>Key Assessment Pieces:</u> Knowledge and skills test set using Google forms</p> <p><u>Tier 3 Vocabulary Vault:</u> Viruses Hacking Phishing Pharming Data protection act Cloud storage Man in the middle attack</p>
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<p><u>Reading Exposure:</u> Graphics skills 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 facts, Kahoot, retrieval, interleaving</p>	<p><u>Reading Exposure:</u> Video editing 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 facts, Kahoot, retrieval, interleaving</p>	<p><u>Reading Exposure:</u> 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 facts, Kahoot, retrieval, interleaving</p>	<p><u>Reading Exposure:</u> Websites 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 facts, Kahoot, retrieval, interleaving</p>	<p><u>Reading Exposure:</u> 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 facts, Kahoot, retrieval, interleaving</p>	<p><u>Reading Exposure:</u> Computer threats 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 facts, Kahoot, retrieval, interleaving</p>
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