

Computing at King's Oak Primary School

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	<p><b>Digital Literacy and Online safety</b>  <i>How to be resilient and show perseverance in the face of a challenge, when online or using a website.</i>  <i>What is a sensible amount of 'screen time' for their age?</i></p> <p><b>Understanding technology</b>  <i>How to complete a simple program on a device that is age appropriate.</i>  <i>How to interact with age appropriate computer software such as; open a website, open a game app or turn a device on and lock.</i>  <i>How to safely use, explore and recognise that a range of technology is used in places such as homes and schools.</i></p> <p><b>Computer science</b>  <i>What is coding?</i></p>					
Year 1	<p><b>Digital Literacy and Online safety</b>  <i>How do we stay safe online?</i>  <i>Where can we get help?</i></p> <p><b>Understanding technology</b>  <i>What technology do we use?</i></p>	<p><b>Computer Science</b>  <i>What is an algorithm?</i>  <i>How can we use the algorithm?</i></p>	<p><b>Digital Literacy and Online safety</b>  <i>What is appropriate to share online?</i>  <i>How do we communicate effectively online?</i></p>	<p><b>Computer science</b>  <i>How can we debug our algorithm?</i></p> <p><b>Information Technology</b>  <i>How to use a keyboard and mouse.</i></p>	<p><b>Digital Literacy and Online safety</b>  <i>What is personal information?</i></p> <p><b>Understanding technology</b>  <i>What is a search engine?</i></p>	<p><b>Information Technology</b>  <i>How do we save and find our work?</i>  <i>What programme can we use?</i></p>
Year 2	<p><b>Digital Literacy and Online Safety</b>  <i>What is personal information?</i>  <i>What is inappropriate and appropriate behaviour?</i>  <i>What are the online safety rules?</i></p> <p><b>Understanding Technology</b>  <i>What technology is used for?</i>  <i>How do we get to a specific website?</i>  <i>Which websites do we use to find useful information?</i></p>	<p><b>Computer Science:</b>  <i>How do we give commands and directions to a sprite?</i>  <i>How to make a set of instructions to follow and predict what will happen</i>  <i>How can we debug our commands?</i></p>	<p><b>Digital Literacy and Online Safety</b>  <i>Where to get help when online?</i>  <i>How do we know if a website is child appropriate?</i>  <i>How to go onto the internet and leave websites?</i></p>	<p><b>Information Technology</b>  <i>How to use the mouse and keyboard.</i>  <i>How do you open, retrieve and save work?</i>  <i>How to use paint tools-brushes, rubber, stamps, shapes, text.</i></p>	<p><b>Digital Literacy and Online Safety</b>  <i>What is personal information?</i>  <i>What is inappropriate and appropriate behaviour and reflect on this?</i>  <i>What is our digital footprint?</i></p> <p><b>Understanding Technology</b>  <i>Recognising good websites for their age.</i>  <i>How can we make comments?</i>  <i>How to use a search engine.</i></p>	<p><b>Computer Science</b>  <i>How to control the nature of events, loops, single events and add and delete features.</i>  <i>How can we debug our commands and improve them?</i></p> <p><b>Information Technology</b>  <i>How do you open, retrieve and save work?</i>  <i>How to add text boxes and images.</i>  <i>How to type using the keyboard.</i></p>

	<i>What are the safe search features?</i>					<i>How do we record sound?</i>
Year 3	<p><b>Digital Literacy and Online Safety</b>  <i>What is inappropriate and appropriate behaviour?  What is cyber bullying?  What are the online safety rules?  How to reflect on their own digital footprint and behaviour online.</i></p> <p><b>Understanding Technology</b>  <i>How can we communicate with others online?  How can we use search tools to find and use appropriate websites and content?  What is the wide web?</i></p>	<p><b>Computer Science</b>  <i>How do we give commands and directions when coding?  What needs to be debugged and how can we do this?  How to write a program putting commands into a sequence to achieve a specific outcome.</i></p>	<p><b>Digital Literacy and Online Safety</b>  <i>How do we get help from an adult when we see something unexpected or worrying?  What is inappropriate and appropriate behaviour?  What is your digital footprint?</i></p>	<p><b>Understanding Technology</b>  <i>What strategies can we use online to improve results when searching?  How can we add websites to a favourites list?</i></p>	<p><b>Digital Literacy and Online Safety</b>  <i>What should we look for if an advert or website is inappropriate for our age?  What are the online safety rules?  What is your digital footprint?  What is a digital citizen?</i></p> <p><b>Information Technology</b>  <i>How to use software to record, create and edit sounds and capture stills.  How do we change recorded sounds, volume, duration and pauses?  What software can we use to capture video?  How do we crop and arrange clips to create a short film?  How to make an animation and move each animation for playback.</i></p>	<p><b>Computer Science</b>  <i>How to use one ended problem by breaking it up into smaller parts.  How can we use variables to create an effect e.g. repetition, if, when?</i></p>
Year 4	<p><b>Digital Literacy &amp; Online Safety:</b>  <i>What is inappropriate and appropriate behaviour?  What is cyber bullying?  What are the online safety rules?</i></p> <p><b>Understanding Technology:</b></p>	<p><b>Computer Science:</b>  <i>-How do we give commands and directions when coding?  What needs to be debugged and how can we do this?  How to write a program putting commands into a sequence to achieve a specific outcome.</i></p>	<p><b>Digital Literacy &amp; Online Safety:</b>  <i>What are the online safety rules?  What is plagiarism?  What is your digital footprint like?</i></p> <p><b>Information Technology:</b>  <i>How can we create different effects with different</i></p>	<p><b>Understanding Technology:</b>  <i>What strategies can we use online to improve results when searching?  How can we add websites to a favourites list?</i></p>	<p><b>Digital Literacy &amp; Online Safety:</b>  <i>What are age appropriate websites and adverts?  What are the online safety rules?(Recap and adjust )  How to reflect on their own digital footprint and behaviour online.  How can we be a digital citizen?</i></p>	<p><b>Computer Science:</b>  <i>How can we use a one-ended problem?  Use variables to create an effect eg repetition, if, when.  What are the different ways data can be organised?  How can we sort and organise information to use in other ways?</i></p>

	<p>-Explain ways to communicate with others online.</p> <p>-Use search tools to find and use appropriate websites and content.</p> <p>-Describe the wide web as part of the internet that contains websites.</p>		<p><i>technological tools, demonstrating control?</i></p> <p><i>What applications and devices can we use in order to communicate ideas and work?</i></p> <p><i>How to insert a text/picture etc from the internet into a file.</i></p> <p><i>How to use keyboard commands to amend the text on a device.</i></p> <p><i>How to save, retrieve, evaluate and amend work.</i></p>		<p><b>Information Technology:</b></p> <p><i>What software can we use to record, create and edit sounds and capture stills?</i></p> <p><i>How can we change recorded sounds, volume, duration and pauses?</i></p> <p><i>What software can we use to capture video for a purpose?</i></p> <p><i>How to crop and arrange clips to create a short film.</i></p> <p><i>How to plan an animation and move each animation for playback.</i></p>	<p><i>How can we search a ready-made database to answer questions?</i></p> <p><b>Information Technology:</b></p> <p><i>What different ways can data be organised?</i></p> <p><i>How to sort and organise information to use in other ways.</i></p> <p><i>How can we search a readymade database to answer questions?</i></p>
Year 5	<p><b>Digital Literacy and Online Safety</b></p> <p><i>How can we protect our passwords and personal information?</i></p> <p><i>What sort of privacy setting might be relevant to reducing different risks?</i></p> <p><i>How can we identify inappropriate content including spam/junk?</i></p> <p><i>What does being a good online citizen and friend look like?.</i></p> <p><i>What scenarios can we think of that pose online risk?</i></p> <p><i>How do we get help from an adult when we see something unexpected or worrying?</i></p> <p><b>Understanding Technology</b></p> <p><i>How do we search</i></p>	<p><b>Computer Science</b></p> <p><i>What are the external triggers and infinite loops that demonstrate control?</i></p> <p><i>How can we use conditional statements and edit variables?</i></p> <p><i>How do we decompose a problem into smaller parts to design an algorithm for a specific outcome and use them to write a program?</i></p>	<p><b>Digital Literacy and Online Safety</b></p> <p><i>-What does being a good online citizen and friend look like?</i></p> <p><b>Information Technology</b></p> <p><i>What skills have we already developed to create content using unfamiliar technology?</i></p> <p><i>What technology or tools can we use to create effects?</i></p> <p><i>How can we improve our own work?</i></p> <p><i>How to save, retrieve and evaluate their work making amendments.</i></p> <p><i>How to insert a resource from the internet or personal life.</i></p>	<p><b>Understanding Technology</b></p> <p><i>What is copyright and how do we acknowledge the sources of information?</i></p> <p><i>How do we check the reliability of a website including photos on site?</i></p>	<p><b>Digital Literacy and Online Safety</b></p> <p><i>What scenarios can we think of that pose online risk?</i></p> <p><i>How do we get help from an adult when we see something unexpected or worrying?</i></p> <p><b>Information Technology</b></p> <p><i>How to collect audio from a variety of resources including internet clips.</i></p> <p><i>How to use a digital device to record sounds and audio.</i></p> <p><i>How to trim, arrange and edit audio levels to improve quality.</i></p> <p><i>How do we publish their animation and use a movie editing package to edit and refine it?</i></p>	<p><b>Computer Science</b></p> <p><i>How to follow a sequence of instructions e.g. flowchart.</i></p> <p><i>What needs to be debugged and how can we do this?</i></p>

	<p><i>information using appropriate websites and what are the advanced search functions within google?</i></p> <p><i>What strategies can we use to check the reliability of information?</i></p> <p><i>How do we search and how are the results selected and ranked?</i></p>					
Year 6	<p><b>Digital Literacy and Online Safety</b></p> <p><i>What sort of privacy setting might be relevant to reducing risk?</i></p> <p><i>What is inappropriate content?</i></p> <p><i>What scenarios can we think of that pose online risk?</i></p> <p><i>How do we get help from an adult when we see something unexpected or worrying?</i></p>	<p><b>Information Technology</b></p> <p><i>What skills have we already developed to create content using unfamiliar technology?</i></p> <p><i>What technology or tools can we use to create effects?</i></p> <p><i>How can we improve our own work?</i></p> <p><i>How to save, retrieve and evaluate their work making amendments.</i></p> <p><i>How to insert a resource from the internet or personal life.</i></p>	<p><b>Information Technology</b></p> <p><i>How to create a podcast?</i></p> <p><i>How to collect audio from a variety of resources including internet clips.</i></p> <p><i>How to use a digital device to record sounds and audio.</i></p> <p><i>How to trim, arrange and edit audio levels to improve quality.</i></p> <p><i>How do we publish their animation and use a movie editing package to edit and refine it?</i></p>	<p><b>Computer Science</b></p> <p><i>What are the external triggers and infinite loops that demonstrate control?</i></p> <p><i>How can we use conditional statements and edit variables?</i></p> <p><i>How do we decompose a problem into smaller parts to design an algorithm for a specific outcome and use them to write a program?</i></p>	<p><b>Understanding Technology</b></p> <p><i>How do we search information using appropriate websites and what are the advanced search functions within google?</i></p> <p><i>What strategies can we use to check the reliability of information?</i></p> <p><i>How do we search and how are the results selected and ranked?</i></p> <p><i>What is copyright and how do we acknowledge the sources of information?</i></p> <p><i>How can we check the reliability of a website including photos on a site?</i></p> <p><b>Digital Literacy and Online Safety</b></p> <p><i>-What does being a good online citizen and friend look like?</i></p>	<p><b>Computer Science</b></p> <p><i>How to follow a sequence of instructions e.g. flowchart. What needs to be debugged and how can we do this?</i></p> <p><b>Information Technology</b></p> <p><i>How can we construct data and on which appropriate application?</i></p> <p><i>How to interpret data, including spotting inaccurate data and comparing data?</i></p> <p><i>How to use keyboard shortcuts and functions to input data on spreadsheets and create formulas for spreadsheets.</i></p> <p><i>How can we add data to existing databases?</i></p>