


## Computing Skills Progression Hallwood Park Primary School and Nursery

	KSI	LKS2	UKS2
Mandatory Skills	<ul style="list-style-type: none"> <li>Operate basic technology independently (logging in, opening apps, simple troubleshooting).</li> <li>Capture clear photographs and short videos using digital devices.</li> <li>Save, retrieve and share digital work.</li> <li>Use technology to organise and present simple ideas.</li> </ul>	<ul style="list-style-type: none"> <li>Recognise common digital content and file types.</li> <li>Label and identify different input/output connections on devices.</li> <li>Create QR codes linking to digital content.</li> <li>Film and produce short videos with attention to framing and sound.</li> <li>Collaborate with others to create digital content.</li> </ul>	<ul style="list-style-type: none"> <li>Explain file types and select appropriate formats for purpose.</li> <li>Create consistent design across digital presentations and present to an audience.</li> <li>Produce more complex digital media (film, audio, mixed-media).</li> <li>Troubleshoot device or software problems with increasing independence.</li> </ul>
Computer Science	<ul style="list-style-type: none"> <li>Follow and create simple algorithms using symbols.</li> <li>Use floor robots and digital devices to turn algorithms into programs.</li> <li>Predict what a short program will do and correct simple sequence errors (debugging).</li> </ul>	<ul style="list-style-type: none"> <li>Design algorithms that can be translated into programs using a range of devices.</li> <li>Identify and correct errors in programs, using logical reasoning to explain outcomes.</li> <li>Use simple repetition and create structured sequences to build basic games or animations.</li> <li>Begin to understand how networks and search engines operate.</li> </ul>	<ul style="list-style-type: none"> <li>Decompose problems and design clear algorithms to solve them.</li> <li>Write, test and refine more complex programs using sequence, selection, variables and repetition.</li> <li>Work confidently with different forms of input and output, including sensors and physical systems.</li> <li>Use logical reasoning to detect and fix errors within multi-step programs.</li> <li>Understand how the internet, networks and traffic operate; explain how search engines index and rank information.</li> <li>Translate binary to decimal and understand its purpose in computing.</li> <li>Build basic web pages using HTML.</li> </ul>
Information Technology	<ul style="list-style-type: none"> <li>Use technology purposefully to organise and present ideas.</li> <li>Save and retrieve digital work independently.</li> <li>Capture photographs and short video clips using a digital device.</li> <li>Sort basic data and represent it digitally.</li> </ul>	<ul style="list-style-type: none"> <li>Create content with control using a range of applications (e.g. video, animation, 3D tools).</li> <li>Collect, record and present data for a purpose.</li> <li>Improve work using editing, formatting and design features.</li> <li>Use a search engine effectively and recognise that not all online information is reliable.</li> <li>Produce audio recordings such as podcasts.</li> </ul>	<ul style="list-style-type: none"> <li>Create high-quality digital content using a range of unfamiliar tools and technologies.</li> <li>Collect, analyse and evaluate data using spreadsheets and other software.</li> <li>Apply advanced editing and formatting to enhance the quality and impact of digital work.</li> <li>Use search engines critically, considering reliability, accuracy and influence.</li> </ul>
Digital Literacy	<ul style="list-style-type: none"> <li>Recognise common uses of technology at school, home and in the wider world.</li> <li>Use the internet safely, knowing where to go for help if something online feels upsetting.</li> <li>Communicate politely online and understand that posts can be permanent.</li> <li>Understand what personal information is and why it must be kept private.</li> </ul>	<ul style="list-style-type: none"> <li>Explain how to behave responsibly online and respect others.</li> <li>Recognise that online information is owned by creators and understand the basics of copyright.</li> <li>Know strategies for staying safe, including what to do if something is worrying online.</li> <li>Understand how technology use affects health and well-being.</li> </ul>	<ul style="list-style-type: none"> <li>Maintain a positive and respectful online presence and contribute safely to online communities.</li> <li>Understand and protect online identity, using strong passwords and secure behaviours.</li> <li>Recognise online risks such as misinformation, persuasion and identity misuse.</li> <li>Know how online bullying affects individuals and how to respond appropriately.</li> <li>Discuss how media and technology can influence views, including gender representation.</li> <li>Use school email safely and appropriately to communicate with classmates and staff.</li> </ul>