

# Key vocabulary progression – Computer Science

Computer Science					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
algorithm bug computer debug input logical reasoning output program robot	abstraction algorithm bug code computational thinking debug event input output parallel processing pattern recognition program remix repetition scratch source code sprite	abstraction algorithm bug code debug decomposition event	abstraction accelerometer algorithm bitmap Bluetooth bug debug fractal if/else if/else input JavaScript LED MakeCode micro:bit object code output pixel program repeat loop repetition runtime scratch sequence simulator sprite source code tessellation transform turtle variable vector graphics	algorithm background bug cipher code cryptanalysis cryptography debug decrypt encode encrypt iterative development logical reasoning message morse code program scratch semaphore sprite transmit	abstraction algorithm binary search decomposition divide and conquer graph greedy algorithm linear search quicksort search search algorithm selection sort sort
<p><i>Blue text is new vocabulary</i>  <i>Black text is revisited vocabulary</i></p>					

# Key vocabulary progression – Information Technology

Information Technology					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
analogue audio bitmap database dataset digital effect field form leaf layer piano roll pixel message microphone MIDI record repetition sample sequencer sort sprite stylus table track transform tree undo virtual zoom  <i>Green text is new vocabulary</i> <i>Black is revisited vocabulary</i>	adjustment binary binary tree branching database camera roll classification key colour value crop data database filter geolocation data Global Position System (GPS) pixel rule of thirds sensor tally charts	algorithm camera roll colour value creative commons data data centre data protection digital footprint debug filter five pillars green screen hyperlinks hypertext mark-up language (HTML) 'Ken Burns' personal information pixel resolution rushes search engine survey wiki Wikipedia	analogue beat sequencer data dataset digital field filter (database) form input interface live loops MIDI piano roll record sample sensor stave table touch instrument tracks velocity voice	abstraction accelerometer augmented reality (AR) colour value computer-aided design (CAD) creative commons Global positioning system (GPS) Google Cardboard hyperlink MP3 photorealistic photosphere pixel QR code render safe search share code stereographic virtual reality (VR)	animation background character creative commons desktop publishing (DTP) eBook ePub export final cuts flipbook animation folder frame image media assets onion-skinning portable document format (PDF) prop rough cut rushes soundtrack stage stop-motion storyboard text

# Key vocabulary progression – Digital Literacy inc E-Safety

Digital Literacy					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
audio clip art Creative Commons eBook filter font images multimedia safe search safe share speech synthesis trusted uh oh feeling voice dictation  <i>Orange text is new vocabulary</i> <i>Black is revisited vocabulary</i>	Google Google custom search mind map online gaming personal information presentation safe search engine share trusted uh oh feeling Wikipedia	comments content consent creative commons data centre doesn't feel right manipulative outline personal information pressurising privacy settings risk safe shared support circle trusted	content consent doesn't feel right manipulative pressurising privacy settings risk safe shared support circle trusted	advertising bribery flattery lower case manipulative pressurising privacy settings self esteem symbols threatening upper case	digital footprint manipulative pressurising privacy settings shared support circle trusted