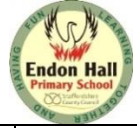




### Computing Curriculum Overview

Year	Subject specific Vocabulary	'The Greats'	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	<p>log in, password, username, save, print, open, new algorithm, instructions, debug, input, output, coding, space arrow keys</p> <p>create, paint, design, open, close, save, change, colour, font</p> <p>text, open, close, return, space bar, enter, print, save</p>	Walt Disney	<p><b>Programing- Beebot</b></p> <p>-understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions - create and debug simple programs - use logical reasoning to predict the behaviour of simple programs</p> <p>Look at household technology- -recognise common uses of information technology beyond school</p>	<p><b>Graphics and design-Paint</b></p> <p>-Ipads to take pictures</p> <p>use technology purposefully to create, organise, store, manipulate and retrieve digital content</p>	<p><b>Word-</b></p> <p>-put text on screen</p> <p>-use upper and lower case</p> <p>-use the space bar</p> <p>use the Return key</p> <p>use the Shift key to make a capital letter</p> <p>-use word lists to enter text</p> <p>-with support, print their work using the Print icon</p> <p>use technology purposefully to create, organise, store, manipulate and retrieve digital content</p>	<p><b>Presentation-</b></p> <p>use technology purposefully to create, organise, store, manipulate and retrieve digital content</p>	<p><b>Programming-Scratch Junior</b></p> <p>understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions - create and debug simple programs -use logical reasoning to predict the behaviour of simple programs</p>	<p><b>Word</b></p> <p>use technology purposefully to create, organise, store, manipulate and retrieve digital content</p>



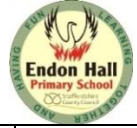
<p><b>Year 2</b></p>	<p>coding, instructions, block, design, input, output, control, debug, algorithm, logic, program, object, action, event Right turn, Left turn, degrees, angle</p> <p>manipulate, present, information, clipart, picture, digital, content, data, table</p> <p>Copy, Paste, Underlined, Bold, Highlight, Font, screen shot, snipping tool, folders, slides, searching, save as, save, file, open, insert.</p> <p>Copy, Paste, Underlined, Bold, Highlight, Font, screen shot, snipping tool, folders, slides, searching, save as, save, file, open, insert.</p>	<p><b>Nick Park</b></p>	<p><b>Word</b> -know that text can be saved and retrieved -change the font style -change the font size -change the font colour -print their work using the Print icon -use the cursor (arrow) keys for simple on screen editing -with support, import graphics and add text with support</p> <p>use technology purposefully to create, organise, store, manipulate and retrieve digital content</p>	<p><b>Graphics and design-Paint</b> -create work from other artists</p> <p>use technology purposefully to create, organise, store, manipulate and retrieve digital content</p>	<p><b>Programing-Logo</b> <b>-Basic shapes</b></p> <p>understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions - create and debug simple programs -use logical reasoning to predict the behaviour of simple programs</p>	<p><b>Presentation- Powerpoint</b> -Basic skills</p> <p>use technology purposefully to create, organise, store, manipulate and retrieve digital content</p>	<p><b>Programming Scratch</b> Beginning with basics</p> <p>understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions - create and debug simple programs -use logical reasoning to predict the behaviour of simple programs</p>	<p><b>Word</b></p> <p>use technology purposefully to create, organise, store, manipulate and retrieve digital content</p>
----------------------	--	-------------------------	---	--	--	---	---	---



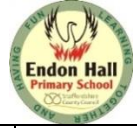
<p><b>Year 3</b></p>	<p>search, refine, global, communicate, digital footprint, personal data, secure, password, spoof, website, PEGI, appropriate, content, cyber, screenshot, report</p> <p>Format, repeat, Algorithm, Programming, debugging, programme, sequence, variable, repetition, selection, coding, input, output, animation, sequence</p> <p>bullet points, numbering, word box, screen shot, snipping tool, Touch Typing, folders, slides, searching, save, save as, file, open, insert</p>	<p><b>Larry Page</b></p>	<p><b>Word</b></p> <p>-select text and change the font style, size and colour</p> <p>-select text and use Bold and Underline icons</p> <p>-use the scroll bars to view different parts of the document justify / align text</p> <p>-import graphics and add text</p> <p>-print using the menu</p> <p>-use print preview</p> <p>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p>	<p>Graphics and design-Paint</p> <p>-New tools</p> <p>-using and manipulating objects</p> <p>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p>	<p><b>Programming- Logo</b></p> <p>-Pen up/pen down</p> <p>-design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</p> <p>-use sequence, selection, and repetition in programs; work with variables and various forms of input and output</p> <p>- use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p>	<p><b>Presentation- Powerpoint</b></p> <p>Format and design slides</p> <p>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p>	<p><b>Programming-more complex scripts</b></p> <p>-design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</p> <p>-use sequence, selection, and repetition in programs; work with variables and various forms of input and output</p> <p>- use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p>	<p><b>Internet research and communication</b></p> <p>-Search results</p> <p>understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration</p> <p>-use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content</p>
----------------------	---	--------------------------	---	---	---	--	--	--



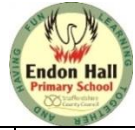
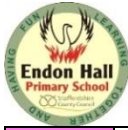
<p><b>Year 4</b></p>	<p>Find, search, replace, landscape, portrait, zoom, insert, graphic</p> <p>screen shot, snipping tool, Touch Typing, searching, print</p> <p>Programming, debugging, programme, sequence, repetition, selection, variable, coding, input, output, animation</p> <p>Internet, search, email, send, new, recipient, address, world wide web, communication, collaboration, select</p> <p>Collecting, presenting, evaluating, analysing</p>	<p><b>Bill gates</b></p>	<p><b>Word import graphics</b> (position and align -use the spell checker -use Find, search and replace if appropriate -use Page Setup to choose Portrait or Landscape page as appropriate -learn how to insert and use a simple table -use the Zoom menu to view the whole page</p>	<p><b>Graphics and design- Animation</b></p> <p>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p>	<p><b>Programming Logo</b> -Repeat, pen colour</p> <p>-design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts -use sequence, selection, and repetition in programs; work with variables and various forms of input and output - use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p>	<p>Presentation- PowerPoint- Inserting web links</p> <p>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p>	<p><b>Programming-Scratch</b> -Questions and quizzes</p> <p>-design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts -use sequence, selection, and repetition in programs; work with variables and various forms of input and output - use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p>	<p><b>Internet research and communication</b> -email -Blog??</p> <p>understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration - use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content</p>
----------------------	---	--------------------------	--	--	--	--	--	--



<p><b>Year 5</b></p>	<p>search, refine, global, communicate, digital footprint, email, personal data, secure, password, spoof, website, PEGI, appropriate, content, cyber, screenshot, report, permission, responsibility</p> <p>type, speed, skill, home, top, bottom, space, key, accuracy</p> <p>Collecting, presenting, evaluating, analysing</p> <p>bullet points, numbering, word box, screen shot, snipping tool, Touch Typing, folders, slides, searching, save, save as, file, open, insert.</p>	<p>Steve Jobs</p>	<p><b>Word</b> -use and practise their word processing skills in a range of contexts</p> <p>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p>	<p><b>Graphics and design</b> -Sketch up</p> <p>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p>	<p><b>Radio stations</b> -design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</p> <p>-use sequence, selection, and repetition in programs; work with variables and various forms of input and output</p> <p>- use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p>	<p><b>Presentation- PowerPoint</b> -Practise skills</p> <p>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p>	<p><b>Programming Scratch- Create own video game</b> -design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</p> <p>-use sequence, selection, and repetition in programs; work with variables and various forms of input and output</p> <p>- use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p>	<p><b>Internet research and web design</b> -design own web page</p> <p>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p>
----------------------	--	-------------------	--	--	---	---	---	---



	<p>coding, instructions, block, design, input, output, control, debug, algorithm, logic, program, object, action, event, control, simulate, variable, sequence, if/else, launch, properties, animate, 3-dimensional,</p>							
<p><b>Year 6</b></p>	<p>communication, method, safe, appropriate, safe</p> <p>Collecting, presenting, evaluating, analysing, cell, input, row, column, data, spreadsheet, more, less, equals, pie chart, bar graph, count, convert, formula, graph, investigate, data, field</p>	<p>Mark Zuckerberg</p>	<p><b>Word</b> -use and practise their word processing skills in a range of contexts</p> <p>-select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing,</p>	<p><b>Graphics and design</b> -Stop Motion</p> <p>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting,</p>	<p><b>Programming-Kodu</b></p> <p>-design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</p> <p>-use sequence, selection, and repetition in programs; work with variables and various</p>	<p><b>Presentation-PowerPoint</b> -Practise skills</p> <p>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing,</p>	<p><b>Programming-Scratch Animated stories</b></p> <p>-design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</p> <p>-use sequence, selection, and repetition in programs; work with variables and various forms of input and output</p> <p>- use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p>	<p><b>Spreadsheets-</b></p> <p>select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p>



			evaluating and presenting data and information	analysing, evaluating and presenting data and information	forms of input and output - use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs	evaluating and presenting data and information		
--	--	--	--	---	---	--	--	--