

Year	Programming	Digital images	Uses of ICT	Using software (KS2)	Searching	ICT Safety
1	<p>Logo and control Level 1 Tizzy</p> <ul style="list-style-type: none"> understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions use logical reasoning to predict the behaviour of simple programs 	<p>Images, video and animation Level 1 I-pad photographs</p> <ul style="list-style-type: none"> use technology purposefully to create, organise, store, manipulate and retrieve digital content 		<p>Sound Level 1 Musical Monsters</p> <p>Text and multimedia Level 1 Tizzy</p> <ul style="list-style-type: none"> 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>Digital Research Level 1/2</p> <ul style="list-style-type: none"> 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>In every Digital Research unit and explicitly taught internet safety week</p>
2	<p>Logo and Control Level 2 Tizzy</p> <ul style="list-style-type: none"> use logical reasoning to predict the behaviour of simple programs create and debug simple programs 	<p>Images, video and animation Level 2 Tizzy presentation</p> <ul style="list-style-type: none"> use technology purposefully to create, organise, store, manipulate and retrieve digital content 	<p>Within 'Our World' Topic</p> <ul style="list-style-type: none"> recognise common uses of information technology beyond school 	<p>Sound Level 2/3 Songsmith</p> <p>Data handling Level 1/2 Branching Database</p>	<p>Electronic communication Level 2/3</p> <ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies
3	<p>Logo and control Level 3 Floor Robots</p> <ul style="list-style-type: none"> 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>Images, video and animation Level 3 Stop animation</p>		<p>Data Handling Level 3 Textease Branching databases</p> <p>Text and multimedia Level 3 Word</p> <ul style="list-style-type: none"> 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>Digital Research Level 2/3</p> <ul style="list-style-type: none"> 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 	

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4	<p>Logo and Control Level 3 Scratch</p> <ul style="list-style-type: none"> 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><i>Images, Video and Animation Level 3 Photo story</i></p>		<p>Simulations and Spreadsheets Level 3 Excel</p> <p>Text and Multimedia Level 3 Powerpoint</p> <ul style="list-style-type: none"> 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>Digital Research Level 3</p> <ul style="list-style-type: none"> 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>In every Digital Research unit and explicitly taught internet safety week</p> <ul style="list-style-type: none"> use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies
5	<p>Logo and control Level 4/5 Floor Robots</p> <ul style="list-style-type: none"> 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><i>Images, Video and Animation Level 3/4 Photostory with sounds</i></p>		<p>Data Handling Level 4 Excel</p> <p>Text and Multimedia Level 3/4 Publisher</p> <ul style="list-style-type: none"> 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>Electronic communication Level 3/4</p> <ul style="list-style-type: none"> 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 	
6	<p>Logo and Control Level 4/5 Scratch</p> <ul style="list-style-type: none"> 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><i>Images, Video and Animation Level 4/5 Stop animation</i></p>		<p>Simulations and Spreadsheets Level 4/5 Excel</p> <p>Data Handling Level 4/5 Databases - Textease</p> <p>Text and Multimedia Level 4/5 Powerpoint with Sound</p> <ul style="list-style-type: none"> 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>Digital Research Level 4/5</p> <ul style="list-style-type: none"> 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 	