



<p>Understand where to go for help when he/she has concerns about content or content online.</p> <p>Digital Literacy – Technology around us</p> <ul style="list-style-type: none"> recognise common uses of information technology beyond school 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. <p>Information Technology - Data Groups and exploring Busy Things Statistics</p> <ul style="list-style-type: none"> use technology purposefully to create, organise, store, manipulate and retrieve digital content recognise common uses of information technology beyond school use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns 	<p>Understand where to go for help when he/she has concerns about content or content online.</p> <p>Information Technology - Digital Media - Create, Share, Respond & Multimedia and Digital Writing</p> <ul style="list-style-type: none"> recognise common uses of information technology beyond school 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. <p>PLUGGED</p>	<p>Understand where to go for help when he/she has concerns about content or content online.</p> <p>Information Technology – create story using Puppet Pals 2 (app)</p> <ul style="list-style-type: none"> Using technology purposefully to create digital content <p><u>Typing</u>- Children are taught to use the keyboard and locate the keys. They aiming to be able to type 5 words per minute by the end of the academic year.</p> <p>PLUGGED</p>	<p>Understand where to go for help when he/she has concerns about content or content online.</p> <p>Information Technology - Digital Media - Create, Share, Respond & Multimedia and Digital Writing</p> <ul style="list-style-type: none"> recognise common uses of information technology beyond school 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. <p>PLUGGED</p>	<p>Understand where to go for help when he/she has concerns about content or content online.</p> <p>Programming - Computer Science - Coding Unit A Moving a Floor Robot</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 create and debug simple programs use logical reasoning to predict the behaviour of simple programs <p>UNPLUGGED</p>	<p>Understand where to go for help when he/she has concerns about content or content online.</p> <p>Programming - Computer Science - Coding Unit B Online Early Coding:</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 create and debug simple programs use logical reasoning to predict the behaviour of simple programs <p>PLUGGED</p>	<p>Understand where to go for help when he/she has concerns about content or content online.</p> <p>Information Technology - Digital Media - Create, Share, Respond & Multimedia and Digital Writing</p> <ul style="list-style-type: none"> recognise common uses of information technology beyond school 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. <p>PLUGGED</p>
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	<p>about content or contact on the internet or other online technologies.</p> <p>UNPLUGGED (except for 1 lesson)</p>					
2	<p>Online Safety: Use technology safely and keep personal information private.</p> <p>Digital Literacy - Uses of Computers</p> <ul style="list-style-type: none"> recognise common uses of information technology beyond school <p>UNPLUGGED</p> <p>Information Technology - Data JIT Pictogram and JIT chart</p> <ul style="list-style-type: none"> use technology purposefully to create, organise, store, manipulate and retrieve digital content recognise common uses of information technology beyond school use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns 	<p>Online Safety: Use technology safely and keep personal information private.</p> <p>Programming - Computer Science - Coding Unit A Online Robots J2Code</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 create and debug simple programs use logical reasoning to predict the behaviour of simple programs <p>PLUGGED</p>	<p>Online Safety: Use technology safely and keep personal information private.</p> <p>Information Technology - Communication and Collaboration - My Busy Things</p> <ul style="list-style-type: none"> use technology purposefully to create, organise, store, manipulate and retrieve digital content <p>PLUGGED</p>	<p>Online Safety: Use technology safely and keep personal information private.</p> <p>Information Technology – using Book Creator (app)</p> <ul style="list-style-type: none"> Uses technology to purposefully to create, organise, store, manipulate and retrieve digital content. Use technology purposefully to create digital content, comparing the benefits of different programs. <p>Typing - Children are taught to type and achieve the standard of 8 words per minute (these should be from the year 2 spelling list and be</p>	<p>Online Safety: Use technology safely and keep personal information private.</p> <p>Programming - Computer Science - Coding Unit B Programming with Scrat - Code.org:</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 create and debug simple programs use logical reasoning to predict the behaviour of simple programs <p>PLUGGED</p>	<p>Online Safety: Use technology safely and keep personal information private.</p> <p>Information Technology - Creating Media - Digital Photography and Film</p> <ul style="list-style-type: none"> use technology purposefully to create, organise, store, manipulate and retrieve digital content recognise common uses of information technology beyond school <p>Outdoor explorers project</p> <p>PLUGGED</p>



	about content or contact on the internet or other online technologies.			displayed for children to copy).		
	PLUGGED			PLUGGED		
3	<p>Online Safety Use technology safely and respectfully, keeping personal information private.</p> <p>Use technology safely and recognise acceptable and unacceptable behaviour.</p> <p>Information Technology - Communication & Collaboration (Blogging) and Creating Media (J2e5):</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 select, use and combine a variety of software (including internet services) on a range of digital devices to design 	<p>Online Safety Use technology safely and respectfully, keeping personal information private.</p> <p>Use technology safely and recognise acceptable and unacceptable behaviour.</p> <p>Digital Literacy - Connecting Systems + networks & Hello Ruby:</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 technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report 	<p>Online Safety Use technology safely and respectfully, keeping personal information private.</p> <p>Use technology safely and recognise acceptable and unacceptable behaviour.</p> <p>Programming - Computer Science - Programming Unit A - Sequencing Code.org:</p> <ul style="list-style-type: none"> design, write and debug programs that accomplish specific goals; solve problems by decomposing them into smaller parts use sequence, selection, and repetition in programs; work with various forms of input and output 	<p>Online Safety Use technology safely and respectfully, keeping personal information private.</p> <p>Use technology safely and recognise acceptable and unacceptable behaviour.</p> <p>Information Technology - Branching Databases:</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>Online Safety Use technology safely and respectfully, keeping personal information private.</p> <p>Use technology safely and recognise acceptable and unacceptable behaviour.</p> <p>Programming - Computer Science - Programming Unit B - Sequencing Scratch Scene (Monologue):</p> <ul style="list-style-type: none"> design, write and debug programs that accomplish specific goals; solve problems by decomposing them into smaller parts use sequence and various forms of input and output <p>PLUGGED</p>	<p>Online Safety Use technology safely and respectfully, keeping personal information private.</p> <p>Use technology safely and recognise acceptable and unacceptable behaviour.</p> <p>Information Technology – stop motion animation (app)</p> <ul style="list-style-type: none"> With support select and use a variety of software to accomplish specific goals. <p>Outdoor Explorers Project</p> <p>PLUGGED</p>



	<p>and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p> <p>PLUGGED</p>	<p>concerns about content and contact.</p> <p>UNPLUGGED</p>	<p>PLUGGED</p>	<p>PLUGGED</p>		
4	<p>Online Safety Use technology responsibly and understand that communication online may be seen by others.</p> <p>Information Technology - Digital Media - Creating Media - Audio Editing:</p> <ul style="list-style-type: none"> work with variables and various forms of input and output 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>Online Safety Use technology responsibly and understand that communication online may be seen by others.</p> <p>Digital Literacy - Computing Systems & Networks - The Internet</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 <p>UNPLUGGED</p>	<p>Online Safety Use technology responsibly and understand that communication online may be seen by others.</p> <p>Information Technology - Multimedia & Digital Writing on Google Slides</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>PLUGGED</p>	<p>Online Safety Use technology responsibly and understand that communication online may be seen by others.</p> <p>Information Technology – Comic Life 3 (app)</p> <ul style="list-style-type: none"> With support select and use a variety of software on a range of digital devices. With support select and use a variety of software on a range of digital devices to accomplish given goals. <p><u>Typing</u> Children are taught to type and achieve the standard of 13 words per minute (these should be</p>	<p>Online Safety Use technology responsibly and understand that communication online may be seen by others.</p> <p>Programming - Computer Science - Programming Unit A - Multiple Sequences Scratch Scene – Dialogue:</p> <ul style="list-style-type: none"> design, write and debug programs that accomplish specific goals; solve problems by decomposing them into smaller parts use sequence and various forms of input and output use logical reasoning to explain how some simple algorithms work and to detect and correct errors 	<p>Online Safety Use technology responsibly and understand that communication online may be seen by others.</p> <p>Programming - Computer Science - Programming Unit B - Repetition Scratch Shapes:</p> <ul style="list-style-type: none"> design, write and debug programs that accomplish specific goals; solve problems by decomposing them into smaller parts use sequence and repetition in programs; work with various



	PLUGGED			from the year 4 spelling list and be displayed for children to copy) PLUGGED	in algorithms and programs PLUGGED	forms of input and output <ul style="list-style-type: none"> use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs PLUGGED
5	<p>Online Safety Understand the need to only select age appropriate content.</p> <p>Information Technology - Multimedia & Digital Writing - Vector Drawings</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>Online Safety Understand the need to only select age appropriate content.</p> <p>Digital Literacy- History of Computing + Women in Computing</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 	<p>Online Safety Understand the need to only select age appropriate content.</p> <p>Information Technology – Garage Band (app)</p> <ul style="list-style-type: none"> Independently select and use appropriate software for a task. Independently select, use and combine a variety of software to design and create content for a given audience. PLUGGED	<p>Online Safety Understand the need to only select age appropriate content.</p> <p>Programming - Computer Science - Programming Unit A - Selection Scratch Quiz:</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 	<p>Online Safety Understand the need to only select age appropriate content.</p> <p>Programming – Computer Science - Programming Unit B - Variables Scratch Games:</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 	<p>Online Safety Understand the need to only select age appropriate content.</p> <p>Information Technology - Data & Information – Spreadsheets</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,



	<p>Typing Children are taught to type and achieve the standard of 15 words per minute (these should be from the year 5 spelling list and be displayed for children to copy).</p> <p>PLUGGED</p>	<p>UNPLUGGED</p>		<ul style="list-style-type: none"> • 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>PLUGGED</p>	<p>programs; work with variables and various forms of input and output</p> <ul style="list-style-type: none"> • use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs <p>PLUGGED</p>	<p>systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p> <p>PLUGGED</p>
6	<p>Online Safety Identify a range of ways to report concerns about content and contact in and out of school.</p> <p>Information Technology - 3D Modelling – Tinkercad:</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 	<p>Online Safety Identify a range of ways to report concerns about content and contact in and out of school.</p> <p>Digital Literacy - Computing Systems & Networks</p> <ul style="list-style-type: none"> • use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report 	<p>Online Safety Identify a range of ways to report concerns about content and contact in and out of school.</p> <p>Information Technology - Data & Information - Microsoft Excel or Google Sheets</p> <ul style="list-style-type: none"> • select, use and combine a variety of software (including internet services) on a range of digital devices 	<p>Online Safety Identify a range of ways to report concerns about content and contact in and out of school.</p> <p>Programming - Computer Science - Programming Unit A - Variables Scratch Games 2</p> <ul style="list-style-type: none"> • design, write and debug programs that accomplish specific goals, including controlling or 	<p>Online Safety Identify a range of ways to report concerns about content and contact in and out of school.</p> <p>Information Technology - Digital Media - Video creation & editing – iMovie</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 	<p>Online Safety Identify a range of ways to report concerns about content and contact in and out of school.</p> <p>Programming - Computer Science - Programming Unit B - Sensing Micro:bits</p> <ul style="list-style-type: none"> • design, write and debug programs that accomplish specific goals,



	<p>content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p> <p>PLUGGED</p>	<p>concerns about content and contact.</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 <p>PLUGGED + UNPLUGGED</p>	<p>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>PLUGGED</p>	<p>simulating physical systems; solve problems by decomposing them into smaller parts</p> <ul style="list-style-type: none"> 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>PLUGGED</p>	<p>programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p> <ul style="list-style-type: none"> use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. <p>PLUGGED</p>	<p>including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</p> <ul style="list-style-type: none"> 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>PLUGGED</p>
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