

## Computing Program of Study – 2022-2023

### Strands – Computer Science, Information Technology, Digital Literacy

Year	Topic	Long Term Learning (Skills-based)	Skills (Working scientifically)
1	Design A Plate	<ul style="list-style-type: none"> <li>Create an image.</li> </ul>	<ul style="list-style-type: none"> <li>IT - Can use some software to create / assemble digital content for clear purpose, (could be text, images, animations, graphs, sound, etc.)</li> <li>IT - Can make straight-forward edits of their digital work (text, image, sound etc.,) using simple editing tools, to both correct and improve it.</li> <li>IT - Can take a digital picture or video clip, or record a sound, as part of a task.</li> <li>CS - Understands that software may represent a fantasy situation and can make sensible (logical) decisions/choices when 'playing' a straight-forward 'game'</li> </ul>
1	Cyberwalk	<ul style="list-style-type: none"> <li>Create a digital image.</li> </ul>	<ul style="list-style-type: none"> <li>IT - Can use a mouse, finger etc. to select &amp; move items on the screen, assembling or matching objects.</li> <li>IT - Can use some software to create / assemble digital content for clear purpose, (could be text, images, animations, graphs, sound, etc.)</li> </ul>
1	Making Toast	<ul style="list-style-type: none"> <li>Write instructions.</li> </ul>	<ul style="list-style-type: none"> <li>CS - Can name some digital devices that need precise instructions (algorithms) to work / be controlled.</li> <li>CS - Can use trial and error to produce an accurate set of simple instructions, to control a floor 'robot' or on-screen object.</li> <li>IT - Can recognise and talk about some common uses of IT in the world around them.</li> </ul>
1	Beebot Garden Walk	<ul style="list-style-type: none"> <li>Program a route.</li> </ul>	<ul style="list-style-type: none"> <li>CS - Can give simple instructions to control a device, like a 'floor' robot, or on-screen object.</li> <li>CS - Can use trial and error to produce an accurate set of instructions to control a floor 'robot' or on-screen object.</li> <li>CS - Can name some digital devices that need precise instructions (algorithms) to work / be controlled.</li> </ul>
1	Smartie the Penguin	<ul style="list-style-type: none"> <li>Know how to ask for help.</li> </ul>	<ul style="list-style-type: none"> <li>DL - Knows about the Internet and beginning to understand some key, age appropriate, safety 'rules'.</li> </ul>
1	Robot Words	<ul style="list-style-type: none"> <li>Create a story with a word bank.</li> </ul>	<ul style="list-style-type: none"> <li>IT - Can use a mouse, finger etc. to select and move items on the</li> </ul>

			<p>screen, assembling or matching objects.</p> <ul style="list-style-type: none"> <li>IT - Can use some software to create / assemble digital content for clear purpose, (could be text, images, animations, graphs, sound, etc.)</li> </ul>
1	I Can Sort Objects	<ul style="list-style-type: none"> <li>Create and sort graphs.</li> </ul>	<ul style="list-style-type: none"> <li>IT - Can use some software to create / assemble digital content for clear purpose, (could be text, images, animation, graph, sound, etc.)</li> <li>IT - Can access a resource and then find answers to straight-forward questions.</li> <li>DL - Can find some straight-forward information from a 'safe', selected online resource.</li> </ul>
1	Who Painted This?	<ul style="list-style-type: none"> <li>Create self-portraits, crediting work.</li> </ul>	<ul style="list-style-type: none"> <li>IT - Can use some software to create / assemble digital content for clear purpose, (could be text, images, animations, graphs, sound, etc.)</li> <li>IT - Can make straight-forward edits of their digital work (text, image, sound etc.,) using simple editing tools, to both correct or improve it.</li> <li>DL - Knows about the Internet and beginning to understand some key, age appropriate, safety 'rules'</li> </ul>
1	I'm a Problem Solver	<ul style="list-style-type: none"> <li>Use instructions.</li> </ul>	<ul style="list-style-type: none"> <li>CS - Understands some basic computing terms and concepts, such as ... algorithm, program, sequence ....</li> <li>CS - Can give some simple instructions to control a device, like a beebot, floor robot or on-screen object.</li> <li>CS - Can name some digital devices that need precise instructions (algorithms) to work / be controlled.</li> <li>CS - Understands that software may represent a fantasy situation and can make sensible (logical) decisions/choices when 'playing' a straight-forward 'game'.</li> <li>CS - Understands some basic computing terms and concepts, such as ... algorithm, program, sequence, etc.</li> <li>IT - Can recognise and talk about some common uses of IT in the world around them.</li> </ul>
1	How Does My Garden Grow?	<ul style="list-style-type: none"> <li>Find information online.</li> </ul>	<ul style="list-style-type: none"> <li>DL - Knows about the Internet and is beginning to understand some key, age appropriate, safety 'rules'.</li> </ul>

			<ul style="list-style-type: none"> <li>DL - Can find some straight-forward information from a 'safe', selected online resource.</li> <li>IT - Can access a resource and then find answers to straight-forward questions</li> </ul>
1	Share My Iceberg Work	<ul style="list-style-type: none"> <li>Share work online.</li> </ul>	<ul style="list-style-type: none"> <li>DL - Knows about the Internet and is beginning to understand some key, age appropriate, safety 'rules'.</li> <li>DL - Can share some information with others, (such as via school network, in school MLE, via a 'closed' blog).</li> <li>IT - Can use some software to create / assemble digital content for clear purpose, (could be text, images, animations and graphs, sound, etc.)</li> </ul>
1	I Can Code!	<ul style="list-style-type: none"> <li>Program on-screen.</li> </ul>	<ul style="list-style-type: none"> <li>CS - Can give simple instructions to control a device, like a Beebot 'floor' robot or on screen object.</li> <li>CS - Understands that software may represent a fantasy situation and can make sensible (logical) decisions/choices when "playing" a straight forward "game."</li> <li>CS - Can use trial and error to produce an accurate set of simple instructions, to control a floor 'robot' or on-screen object.</li> </ul>
2	Say No To Graffiti!	<ul style="list-style-type: none"> <li>Edit a photo and create a poster.</li> </ul>	<ul style="list-style-type: none"> <li>IT - Can use some software to create / assemble digital content for clear purpose, (could be text, images, animation, graph, sound, etc.)</li> <li>IT - Can make straight-forward edits of their digital work (text, image, sound etc.,) using simple editing tools, to correct or improve it.</li> <li>IT - Can create and amend a (multimedia) resource for a clear purpose, starting to show a sense of the 'audience'.</li> <li>IT - Can save and retrieve work (and print if appropriate to task).</li> </ul>
2	Do You Like My Blog?	<ul style="list-style-type: none"> <li>Create content and comment on others' work.</li> </ul>	<ul style="list-style-type: none"> <li>IT - Can use some software to create / assemble digital content for clear purpose, (could be text, images, animations, graphs, sound, etc.)</li> <li>DL - Can create and share some information online, (such as in school MLE, 'closed' email</li> </ul>

			system or blog), understanding need to be respectful and safe.
2	How Does That Work?	<ul style="list-style-type: none"> <li>Write algorithms.</li> </ul>	<ul style="list-style-type: none"> <li>CS - Can give a set of simple instructions to program (control) a device, like a 'floor' robot, or on-screen object.</li> <li>CS - Can talk about some electronic devices and understands that they need precise instructions (algorithms) to work / be programmed (controlled).</li> <li>CS - Understands some basic computing terms and concepts, such as: (school) network, algorithm, program, debug, editing, website, etc.</li> <li>IT - Can recognise and talk about some common uses of ICT in the world around them.</li> </ul>
2	Demolition Robot!	<ul style="list-style-type: none"> <li>Program Beebot to complete a task.</li> </ul>	<ul style="list-style-type: none"> <li>CS - Can give a set of simple instructions to program (control) a device, like a 'floor' robot, or on-screen object.</li> <li>CS - Can use trial and error to produce an accurate set of 'instructions' to control a floor 'robot' or on-screen object; refine (de-bug) and improve / make changes.</li> <li>CS - Understands some basic computing terms and concepts, such as: (school) network, algorithm, instructions, program, etc.</li> </ul>
2	Digi Duck's Dilemma	<ul style="list-style-type: none"> <li>Know what to do when making mistakes online.</li> </ul>	<ul style="list-style-type: none"> <li>DL - Can talk about key online safety 'rules' and knows where to go / report if there is a problem.</li> <li>IT - Can use some software to create / assemble digital content for a clear purpose, (could be text, images, animations, graphs, sound, etc.)</li> </ul>
2	Follow That Footprint	<ul style="list-style-type: none"> <li>Know we leave a 'digital trail' when on the internet.</li> </ul>	<ul style="list-style-type: none"> <li>DL - Can talk about key online safety 'rules' and knows where to go / report if a problem.</li> </ul>
2	Finding Out About...	<ul style="list-style-type: none"> <li>Find information online.</li> </ul>	<ul style="list-style-type: none"> <li>IT - Can navigate their way within some straight-forward digital content, such as selected history content, to find some specific information.</li> <li>DL - Can find some straight-forward information from (selected) website resource(s) and knows not all websites 'good to use'.</li> <li>DL - Can talk about key online safety 'rules' and knows where to go / report if a problem.</li> </ul>

2	Getting to school safely	<ul style="list-style-type: none"> <li>• Create graphs and answer questions.</li> </ul>	<ul style="list-style-type: none"> <li>• IT - Can create &amp; store some data, (simple data file), and then find answers to straight-forward questions.</li> <li>• CS - Can give a set of simple instructions to program (control) a ... on-screen object.</li> </ul>
2	I Can Debug!	<ul style="list-style-type: none"> <li>• Program on screen using simple commands.</li> </ul>	<ul style="list-style-type: none"> <li>• CS - Can give a set of simple instructions to program (control) a device, like a 'floor' robot, or on-screen object.</li> <li>• CS - Can use trial and error to produce an accurate set of simple instructions to control a floor 'robot' or on-screen object, using trial and error to refine (de-bug) and improve / make changes.</li> <li>• CS - Demonstrates logical 'trial and error' when using a computer simulation or game, and predicts the consequences of decisions/choices made.</li> </ul>
2	Let's Send A Message	<ul style="list-style-type: none"> <li>• Send and respond to emails or messages.</li> </ul>	<ul style="list-style-type: none"> <li>• DL - Can talk about key online safety 'rules' and knows where to go / report if a problem. Understanding need to be respectful and safe (when communicating online).</li> <li>• IT - Can recognise and talk about some common uses of ICT in the world around them.</li> </ul>
2	Mini-beasties	<ul style="list-style-type: none"> <li>• Sort, classify and ask questions.</li> </ul>	<ul style="list-style-type: none"> <li>• IT - Can create &amp; store some data, (simple database), and then find answers to straight-forward questions.</li> <li>• DL - Can find some straight-forward information from (selected) website resource(s) and knows not all websites 'good to use'.</li> </ul>
3	Safe Surfing With Doogle	<ul style="list-style-type: none"> <li>• Learn SMART rules and personal information.</li> </ul>	<ul style="list-style-type: none"> <li>• DL - I can talk about key online safety 'rules' and knows where to go / report if a problem.</li> <li>• IT - I can use some software to create / assemble digital content for a clear purpose, (could be text, images, animation, graph, sound, etc.)</li> <li>• IT - I can save and retrieve work from electronic folders (and print if appropriate to the task).</li> </ul>
3	Journey Of An Email	<ul style="list-style-type: none"> <li>• Explain networks using email.</li> </ul>	<ul style="list-style-type: none"> <li>• DL - I can talk about key online safety 'rules' and know where to go / report if a problem.</li> <li>• DL - I can create and share some information online (such as in MLE, email/blog), understanding need to be respectful and safe.</li> </ul>

			<ul style="list-style-type: none"> <li>CS - I know some relevant computing terms such as computer network, Internet, algorithm, program, World Wide Web, website, etc.</li> <li>IT - I can use some software to create / assemble digital content for clear purpose, (could be text, images, animation, graph, sound, etc.)</li> </ul>
3	Can Your Robot Make Shapes?	<ul style="list-style-type: none"> <li>Use algorithms.</li> </ul>	<ul style="list-style-type: none"> <li>CS - I can produce an accurate set of simple instructions (code), to program (control) an on-screen object (or floor 'robot'), using trial and error to debug.</li> <li>CS - I can also talk about how the sequence of events in some simple instructions (algorithms) or code are 'working'.</li> <li>CS - I can demonstrate logical, trial and error when using a computer simulation, 'model' or game and predicts some consequences/decisions choices made.</li> </ul>
3	Exploring How Things Work	<ul style="list-style-type: none"> <li>Use algorithms.</li> </ul>	<ul style="list-style-type: none"> <li>CS - I can talk about some digital devices beyond school that need precise instructions (algorithms) to work / be programmed (controlled).</li> <li>CS - I can also talk about how the sequence of events in some simple instructions (algorithms) or code are 'working'.</li> <li>CS - I know some relevant computing terms such as computer network, Internet, algorithm, program, procedure , (World Wide Web, website) etc.</li> </ul>
3	Would I Lie To You?	<ul style="list-style-type: none"> <li>Understand the difference between facts and fiction online.</li> </ul>	<ul style="list-style-type: none"> <li>IT - I can navigate their way within some straightforward digital content, such as selected history content, to find some specific information.</li> <li>DL - I can find some straight-forward information from (selected) website resource(s) and know not all websites 'good to use'</li> </ul>
3	Do You Like My Presentation?	<ul style="list-style-type: none"> <li>Develop and share a presentation.</li> </ul>	<ul style="list-style-type: none"> <li>IT - I can use some software to create / assemble digital content for clear purpose, (could be text, images, animation, graph, sound, etc.)</li> <li>IT - I can make straight-forward edits of their digital work (text, image, sound etc.,) using simple editing tools, to both correct and improve it.</li> <li>IT - I can create and amend a (multimedia) resource that shows a sense of 'audience'.</li> </ul>

3	Finding Out About Me	<ul style="list-style-type: none"> <li>Add data and answer questions by searching a file.</li> </ul>	<ul style="list-style-type: none"> <li>IT - I can use some software to create / assemble digital content for clear purpose, (could be text, images, animation, graph, sound, etc.)</li> <li>IT - I can navigate my way within some straight-forward digital content to find some specific information.</li> <li>IT - I can create &amp; store some data, (simple data file), and then find answers to straight-forward questions.</li> <li>IT - I can recognise and talk about some common uses of ICT in the world around me.</li> </ul>
3	Creating A Tessellation	<ul style="list-style-type: none"> <li>Develop repeated patterns with tessellations.</li> </ul>	<ul style="list-style-type: none"> <li>IT - I can use some software to create / assemble digital content for clear purpose, (could be text, images, animation, graph, sound, etc.)</li> <li>IT - I can make straight-forward edits of my digital work (text, image, sound etc.,) using simple editing tools, to both correct and improve it.</li> </ul>
3	I Can Use Block Coding	<ul style="list-style-type: none"> <li>Program simple sequences.</li> </ul>	<ul style="list-style-type: none"> <li>CS - I can produce an accurate set of simple instructions (code), to program (control) an on-screen object (or floor 'robot'), using trial and error to debug.</li> <li>CS - I can also talk about how the sequence of events in some simple instructions (algorithms) or code are 'working'.</li> <li>CS - I know some relevant computing terms such as computer network, Internet, algorithm, program, World Wide Web, website, etc.</li> </ul>
3	I Can Make An On-Screen Animation	<ul style="list-style-type: none"> <li>Create an animation using web tools.</li> </ul>	<ul style="list-style-type: none"> <li>IT - I can use some software to create / assemble digital content for clear purpose, (could be text, images, animation, graph, sound, etc.)</li> <li>IT - I can make straight-forward edits of my digital work (text, image, sound etc.,) using simple editing tools, to both correct and improve it.</li> <li>IT - I can use software to create and combine content (be it text, pictures / images, graphs, animation, podcast etc.,) for meaningful purpose(s)</li> <li>IT - I can also edit and amend my digital work (text, image, sound etc.,) using simple editing tools, to both correct and improve it.</li> </ul>

4	Let's Email	<ul style="list-style-type: none"> <li>Understand how email 'works' – use email to send a story.</li> </ul>	<ul style="list-style-type: none"> <li>DL - I can create and share some information online (such as school MLE, email / blog), demonstrating the need to be respectful and safe.</li> <li>DL - I can talk about key online safety 'rules', knows what may be unacceptable behaviour, and know where to go / report if a problem.</li> <li>IT - I can use software to create and combine content (be it text, pictures / images, graphs, animation, podcast etc.,) for meaningful purpose(s).</li> </ul>
4	Searching The Web	<ul style="list-style-type: none"> <li>Understand search engines.</li> </ul>	<ul style="list-style-type: none"> <li>CS - I can develop and use a wider computing 'vocabulary' relevant to work, such as debug, Apps, data logging, search engines, spam, Wiki, etc.</li> <li>DL - I can find straightforward information from (selected) website resource(s) and knows sites can contain, true or false facts, or opinion.</li> </ul>
4	Logo Turtle Mania	<ul style="list-style-type: none"> <li>Create on-screen shapes using text-based programming.</li> </ul>	<ul style="list-style-type: none"> <li>CS - I can produce, debug and edit an accurate sequence of instructions, including the use of repeat, to control on-screen objects.</li> <li>CS - I can plan and create a program using decomposition; includes the use of selection (IF/ELSE) and/or variables.</li> </ul>
4	My Exciting World Landmarks	<ul style="list-style-type: none"> <li>Find information online.</li> </ul>	<ul style="list-style-type: none"> <li>IT - I can also edit and amend my digital work (text, image, sound etc.,) using simple editing tools, to both correct and improve it..</li> <li>IT - I can create and amend a multi-media resource that shows a sense of 'audience'.</li> <li>IT - I can navigate my way within range of (selected) online content, to find specific information.</li> <li>IT - I can include some information / content from an online resource within a 'presentation'.</li> <li>DL - I can find straight-forward information from (selected) website resource(s) and know sites can contain true or false facts, or opinion.</li> </ul>
4	Weather Data	<ul style="list-style-type: none"> <li>Collect and analyse information.</li> </ul>	<ul style="list-style-type: none"> <li>IT - I can navigate my way with range of 'selected' online content, to find specific information</li> <li>IT - I can use a data file to find answers to straight-forward questions, (such as through data</li> </ul>



			logging or a survey or a prepared database or a simple spreadsheet, etc.).
4	Creating An Alien Landscape	<ul style="list-style-type: none"> <li>Edit photos.</li> </ul>	<ul style="list-style-type: none"> <li>IT - I can use software to create and combine content (be it text, pictures / images, graphs, animation, podcast etc.,) for meaningful purpose(s)</li> <li>IT - I can also edit and amend my digital work (text, image, sound etc.,) using simple editing tools, to both correct and improve it.</li> </ul>
4	Dancing With Scratch	<ul style="list-style-type: none"> <li>Program events using sequence.</li> </ul>	<ul style="list-style-type: none"> <li>CS - I can demonstrate logical choices and prediction when using a computer simulation, 'model' or game and can make simple edits to solve a problem.</li> <li>CS - I can produce, debug and edit an accurate sequence of instructions, including the use of repeat, to control on-screen objects.</li> <li>CS - I can talk about different types of input options e.g. motion /touch, microphone, data logging sensor; and output options e.g. switch, speakers, screen, etc.</li> <li>CS - I can develop and use a wider computing 'vocabulary' in context of task.</li> </ul>
4	What's A Spreadsheet	<ul style="list-style-type: none"> <li>Introduction to spreadsheets.</li> </ul>	<ul style="list-style-type: none"> <li>IT - I can use software to create and combine content (be it text, pictures images, graphs, animation, podcast etc.,) for meaningful purpose(s).</li> <li>IT - I can use a data file to find answers to straight-forward questions, (such as through data logging or a survey or a prepared database or a simple spreadsheet, etc.).</li> </ul>
4	Here's My Presentation	<ul style="list-style-type: none"> <li>Find information and images and present them to audience.</li> </ul>	<ul style="list-style-type: none"> <li>DL - I can create and share some information online (such as in MLE, email/blog), demonstrating need to be respectful and safe.</li> <li>DL - I can find straight-forward information from (selected) website resource(s) and know sites can contain, true or false facts, or opinion.</li> <li>IT - I can use software to create (and combine) text, pictures / images, animation, podcast etc., for meaningful purpose(s).</li> <li>IT - I can also edit and amend their digital work (text, image, sound etc.,) using simple editing tools, to both correct and improve it.</li> </ul>

			<ul style="list-style-type: none"> <li>IT - I can create and amend a multimedia resource that shows a sense of 'audience'.</li> <li>IT - I can include some information / content from an online resource within a 'presentation'.</li> <li>IT - I can save and retrieve work from electronic folders.</li> </ul>
5	Design A Poster	<ul style="list-style-type: none"> <li>Design an e-safety poster.</li> </ul>	<ul style="list-style-type: none"> <li>DL - I can talk about key online safety 'rules' and know where to go / report if a problem.</li> <li>IT - I can combine resources from different sources into a digital presentation, showing a clear sense of intended purpose and 'audience'.</li> </ul>
5	Can You Finish My Story?	<ul style="list-style-type: none"> <li>Blog a story for others to finish.</li> </ul>	<ul style="list-style-type: none"> <li>IT - I can use software effectively to create, design and manipulate for purposeful outcomes, such as DT, art or music projects.</li> <li>DL - I can communicate and collaborate online (such as in MLE blog/Wiki /forum), demonstrating respectful and safe behaviours.</li> </ul>
5	Game Creation With Scratch	<ul style="list-style-type: none"> <li>On-screen programming.</li> </ul>	<ul style="list-style-type: none"> <li>CS - I can test, debug and edit a program that accomplishes a given goal, (simple computer 'game' or model or simulation), to solve a problem.</li> <li>CS - I can create an accurate program to accomplish a given goal, including the use of repetition (loops), selection (IF/ELSE) and variables.</li> <li>CS - I can use logical reasoning to deconstruct programs, evaluate their effectiveness and make them more challenging and / or 'elegant' / efficient.</li> <li>CS - I can use different types of input options and output options such as through sensing and control 'kits' and/or software, to solve a problem.</li> <li>CS - I can develop and use a wider computing 'vocabulary' in context of task, such as search engine, URL, variable, validate, digital footprint, spam, Wiki, etc.</li> </ul>
5	Stop! Check	<ul style="list-style-type: none"> <li>Understand how to check website accuracy.</li> </ul>	<ul style="list-style-type: none"> <li>DL - I understand some simple steps to 'validate' information found on the Web, and appreciate how search results are selected and ranked.</li> <li>DL - I can demonstrate 'web-savvy' awareness, from a range of given scenarios, including</li> </ul>

			<p>conduct, contact and content 'risks' and issues.</p> <ul style="list-style-type: none"> <li>IT - I can find specific and valid information (i.e. be discerning) using sensible keywords / search terms, from online web content, as fits the task.</li> </ul>
5	What Is The Internet?	<ul style="list-style-type: none"> <li>Explain the 'Internet' and the 'World Wide Web'.</li> </ul>	<ul style="list-style-type: none"> <li>CS - I have an understanding of computer networks (local, internet services and WWW).</li> <li>CS - I can developing and use a wider computing 'vocabulary' in context of task, such as .... network, URL, web address bar, WWW / Internet, protocols, IP address, domain name server, data packets, internet services, web browser, router, web server, client device, HTML, http://, etc</li> <li>DL - I can demonstrate 'web-savvy' awareness, from a range of given scenarios, including commercial, contact and content 'risks' and issues.</li> </ul>
5	Simply Delicious	<ul style="list-style-type: none"> <li>Use formulae to model costs of a meal.</li> </ul>	<ul style="list-style-type: none"> <li>IT - I can use software effectively to create, design and manipulate for purposeful outcomes, such as DT, art or music projects.</li> <li>IT - I can collect, analyse and draw conclusions from data, such as through data logging in science or a survey or a prepared database in geography or through manipulating a spreadsheet.</li> </ul>
5	Logo Shapes And Patterns	<ul style="list-style-type: none"> <li>Understand procedures and variables.</li> </ul>	<ul style="list-style-type: none"> <li>CS - I can create an accurate program to accomplish a given goal, including the use of repetition (loops), selection (IF/ELSE) and variables.</li> <li>CS - I can test, debug and edit a program that accomplishes a given goal, (simple computer 'game' or model or simulation), to solve a problem.</li> <li>CS - I can use logical reasoning to deconstruct programs, evaluate their effectiveness and make them more challenging and / or 'elegant' / efficient.</li> </ul>
5	Let's Design In 3D!	<ul style="list-style-type: none"> <li>Design a sculpture / dream house.</li> </ul>	<ul style="list-style-type: none"> <li>IT - I can use software effectively to create, design and manipulate for purposeful outcomes, such as DT, art or music projects.</li> </ul>
6	Are You A Cyber Superhero?	<ul style="list-style-type: none"> <li>Understand how to make good online decisions.</li> </ul>	<ul style="list-style-type: none"> <li>DL - I can discuss a range of eSafety and eSecurity (privacy) issues and know a range of ways</li> </ul>

			to report concerns or inappropriate behaviour.
6	Do You Agree?	<ul style="list-style-type: none"> <li>Create and share a presentation to persuade.</li> </ul>	<ul style="list-style-type: none"> <li>IT - I can use software effectively to create, design and manipulate for purposeful outcomes, such as DT, art or music projects.</li> <li>IT - I can combine resources from different sources into digital presentations, showing a clear sense of intended purpose and 'audience'.</li> <li>DL - I can communicate and collaborate online (such as in blog/Wiki / forum), demonstrating respectful and safe behaviours</li> </ul>
6	Fun With Scratch	<ul style="list-style-type: none"> <li>Solve programming problems.</li> </ul>	<ul style="list-style-type: none"> <li>CS - I can test, debug and edit a program that accomplishes a given goal, (simple computer 'game' or model or simulation), to solve a problem.</li> <li>CS - I can create &amp; develop programs, by planning, debugging and applying programming skills of repetition (loops), selection (IF/ELSE) and variables, to accomplish specific goals.</li> <li>CS - I can use logical reasoning to deconstruct programs, evaluate their effectiveness and make them more challenging and / or 'elegant' / efficient.</li> <li>CS - I can use different types of input options and output options such as through sensing and control 'kits' and/or software to solve a problem.</li> </ul>
6	Searching Searching	<ul style="list-style-type: none"> <li>Understand how a search engine 'works'.</li> </ul>	<ul style="list-style-type: none"> <li>CS - I can developing and use a wider computing 'vocabulary' in context of task, such as search engine, URL, validate, digital footprint, Wiki, etc.</li> <li>CS - I have an understanding of computer networks (local, internet services and WWW).</li> <li>DL - I can demonstrate 'web-savvy' awareness, from a range of given scenarios, including conduct, contact and content 'risks' and issues.</li> <li>DL - I can check the results of web searches i.e. how useful, relevant, reasonable, valid, accurate, and appreciates how search results are selected &amp; ranked.</li> </ul>
6	How Fake Is That?	<ul style="list-style-type: none"> <li>Understand online media and its impacts on body image.</li> </ul>	<ul style="list-style-type: none"> <li>DL - I can demonstrate 'web-savvy' awareness, from a range of given scenarios, including</li> </ul>

			<p>conduct, contact and content 'risks' and issues.</p> <ul style="list-style-type: none"> <li>DL - I can discuss a range of eSafety and eSecurity (privacy) issues and know a range of ways to report concerns or inappropriate behaviour.</li> <li>DL - I can check the results of web searches i.e. how useful, relevant, reasonable, valid, accurate, ...</li> </ul>
6	How Can We Trust The Internet?	<ul style="list-style-type: none"> <li>Understand how to check information accuracy.</li> </ul>	<ul style="list-style-type: none"> <li>DL - I can demonstrate 'web-savvy' awareness, from a range of given scenarios, including commercial, contact and content 'risks' and issues</li> <li>DL - I can check the results of their web searches i.e. how useful, relevant, reasonable, valid and accurate the information is.</li> <li>IT - I can be discerning and find valid information using sensible keywords / search terms, from a range of online web content, as fits the task.</li> </ul>
6	Party Time!	<ul style="list-style-type: none"> <li>Plan and cost a party using software.</li> </ul>	<ul style="list-style-type: none"> <li>IT - I can use software effectively to create, design and manipulate for purposeful outcomes, such as DT, art or music projects.</li> <li>IT - I can collect, analyse and evaluate and draw conclusions from data, such as through survey, database or spreadsheet.</li> <li>CS - I can test, debug and edit a program that accomplishes a given goal, (simple computer 'game' or model or simulation), to solve a problem.</li> </ul>
6	Logo Block Of Flats	<ul style="list-style-type: none"> <li>Understand procedures, variables and ifelse.</li> </ul>	<ul style="list-style-type: none"> <li>CS - I can test, debug and edit a program that accomplishes a given goal, (simple computer 'game' or model or simulation), to solve a problem.</li> <li>CS - I can create &amp; develop programs, by planning, debugging and applying programming skills of repetition (loops), selection (IF/ELSE) and variables, to accomplish specific goals.</li> <li>CS - I can use logical reasoning to deconstruct programs, evaluate their effectiveness and make them more challenging and / or 'elegant' / efficient.</li> </ul>
6	What's Wrong Here?	<ul style="list-style-type: none"> <li>Understand and fix Syntax and Logic errors.</li> </ul>	<ul style="list-style-type: none"> <li>CS - I can test, debug and edit a program that accomplishes a given goal, (simple computer</li> </ul>

			<p>'game' or model or simulation), to solve a problem.</p> <ul style="list-style-type: none"> <li>CS - I can develop and use a wider computing 'vocabulary' in context of task, such as search engine, URL, variable, validate, digital footprint, spam, Wiki, etc. (especially the terminology of computational thinking)</li> </ul>
6	Let's Design And Combine In 3D	<ul style="list-style-type: none"> <li>Design a product using 3D software.</li> </ul>	<ul style="list-style-type: none"> <li>IT - I can use software effectively to create, design and manipulate for purposeful outcomes, such as DT, art or music projects.</li> </ul>