

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<u>Planning and length of topic</u>	Each unit should take 7 sessions 1 session = 1 Thursday with Junior Jam 7 sessions in total Planning to be provided and taught by Junior Jam	Each unit should take 7 sessions 1 session = 1 Thursday with Junior Jam 7 sessions in total Planning to be provided and taught by Junior Jam	Each unit should take 7 sessions 1 session = 1 Thursday with Junior Jam 7 sessions in total Planning to be provided and taught by Junior Jam	Each unit should take 7 sessions 1 session = 1 Thursday with Junior Jam 7 sessions in total Planning to be provided and taught by Junior Jam	Each unit should take 7 sessions 1 session = 1 Thursday with Junior Jam 7 sessions in total Planning to be provided and taught by Junior Jam	Each unit should take 7 sessions 1 session = 1 Thursday with Junior Jam 7 sessions in total Planning to be provided and taught by Junior Jam
AUTUMN 1	iJam - Lite L1	iJam - Lite L2	iJam L1	iJam L2	iJam L3	iJam L3
AUTUMN 2	iProgram - Lite L1	iProgram - Lite L2	iProgram L1	iProgram L2	iProgram L3	iProgram L3
SPRING 1	iAnimate Lite L1	iAnimate Lite L2	iOffice L1	iOffice L2	iOffice L3	iOffice L3
SPRING 2	iCreate - Lite L1	iCreate - Lite L2	iCreate L1	iCreate L2	iCreate L3	iCreate L3
SUMMER 1	iCommunicate - Lite L1	iCommunicate - Lite L2	iCommunicate L1	iCommunicate L2	iCommunicate L3	iCommunicate L3
SUMMER 2	iTech - Lite L1	iTech - Lite L2	iTech L1	iTech L2	iTech L2	iTech L2
Big Concept Algorithms	<p>iProgram - Lite L1</p> <ul style="list-style-type: none"> Meaning of algorithm How they are used Give precise instructions How digital devices use instructions <p>iTech - Lite L1</p> <ul style="list-style-type: none"> How different objects use algorithms 	<p>iProgram - Lite L2</p> <ul style="list-style-type: none"> Uses for algorithms in real-world applications Give precise instructions How digital devices use instructions <p>iAnimate - Lite L2</p> <ul style="list-style-type: none"> Scratch Jnr Use of algorithms to achieve desired storyline Precise direction/coding <p>iTech - Lite L2</p> <ul style="list-style-type: none"> Algorithms in the film industry - special FX Precise instructions 	<p>iProgram L1</p> <ul style="list-style-type: none"> Apply computational thinking to writing algorithms <p>iTech L1</p> <ul style="list-style-type: none"> Blockly - stringing code together to make algorithms 	<p>iProgram L2</p> <ul style="list-style-type: none"> Create complex algorithms that effect other things within their designed program 	<p>iProgram L3</p> <ul style="list-style-type: none"> Use computational thinking to write algorithms 	<p>iProgram L3</p> <ul style="list-style-type: none"> Use computational thinking to write algorithms
Big Concept Programming	<p>iProgram - Lite L1</p> <ul style="list-style-type: none"> Design and create simple programs within Hopscotch Debugging <p>iTech - Lite L1</p> <ul style="list-style-type: none"> Debug problems within Inventioners Create new solutions 	<p>iProgram - Lite L2</p> <ul style="list-style-type: none"> Debugging very simple code Evaluating own work <p>iAnimate - Lite L2</p> <ul style="list-style-type: none"> Scratch Jnr Edit and debug their own code <p>iTech - Lite L2</p>	<p>iJam L1</p> <ul style="list-style-type: none"> Writing a complete song in six weeks Selecting the right input, to gain the correct output Garageband <p>iProgram L1</p> <ul style="list-style-type: none"> Computational thinking 	<p>iJam L2</p> <ul style="list-style-type: none"> Selecting the right input, to gain the correct output for their song Garageband <p>iProgram L2</p> <ul style="list-style-type: none"> Continue computational thinking Create retro-arcade games 	<p>iJam L3</p> <ul style="list-style-type: none"> Selecting the right input, to gain the correct output for their song Garageband <p>iProgram L3</p> <ul style="list-style-type: none"> Use computational thinking skills in practise 	<p>iJam L3</p> <ul style="list-style-type: none"> Selecting the right input, to gain the correct output for their song Garageband <p>iProgram L3</p> <ul style="list-style-type: none"> Use computational thinking skills in practise

		<ul style="list-style-type: none"> Combine storyboarding with code writing 	<ul style="list-style-type: none"> Blockly - design a variety of programs to set parameters Design and code Debug own work Input and output of algorithms/code to a program <p>iCreate L1</p> <ul style="list-style-type: none"> Repetition to ensure the app is used successfully Correct inputs to ensure final product is to the desired specifications <p>iCommunicate L1</p> <ul style="list-style-type: none"> Garageband and iMovie Use various forms of input/output <p>iTech L1</p> <ul style="list-style-type: none"> Use computational thinking Plan, create and write a program to run an external device Blockly - stringing code together to make algorithms, solving and debugging any issues, and coding to achieve the goals Input and output of code to ensure the algorithm runs correctly and smoothly 	<ul style="list-style-type: none"> Control solutions and other problems mimicking real-world applications of programming Plan, design and build a program to satisfy a brief Choose the correct input to gain the correct output for their program <p>iCreate L2</p> <ul style="list-style-type: none"> Use computational thinking to compare popular videos <p>iCommunicate L2</p> <ul style="list-style-type: none"> Dissect the medium into individual components they all have in common and recreate them to make a magazine 	<ul style="list-style-type: none"> Broken programs - figure out what is wrong and fix the programs Writing and debugging their own code Input and output of algorithms/code to a program Choose the correct input to gain the correct output for their program <p>iCreate L3</p> <ul style="list-style-type: none"> Decompose the task of 2D Animation into smaller parts Learn that a slow, patient detailed approach to the input, will result in a smooth output <p>iCommunicate L3</p> <ul style="list-style-type: none"> Split tasks into smaller chunks to efficiently analyse what the customers are wanting and produce something to appeal to them 	<ul style="list-style-type: none"> Broken programs - figure out what is wrong and fix the programs Writing and debugging their own code Input and output of algorithms/code to a program Choose the correct input to gain the correct output for their program <p>iCreate L3</p> <ul style="list-style-type: none"> Decompose the task of 2D Animation into smaller parts Learn that a slow, patient detailed approach to the input, will result in a smooth output <p>iCommunicate L3</p> <ul style="list-style-type: none"> Split tasks into smaller chunks to efficiently analyse what the customers are wanting and produce something to appeal to them
<p>Big Concept Logical Reasoning</p>	<p>iProgram - Lite L1</p> <ul style="list-style-type: none"> Code simple programs to fulfil certain functions Predict behaviour <p>iTech - Lite L1</p> <ul style="list-style-type: none"> Predict behaviour of algorithms Logic problems with Inventioners 	<p>iProgram - Lite L2</p> <ul style="list-style-type: none"> Code simple programs to fulfil certain functions Predict behaviour <p>iAnimate - Lite L2</p> <ul style="list-style-type: none"> Use the logic to predict what their code will do <p>iTech - Lite L2</p> <ul style="list-style-type: none"> Use the logic to predict what their code will do 	<p>iProgram L1</p> <ul style="list-style-type: none"> Think in logical and detailed instructions Simplify instructions Design their own game <p>iTech L1</p> <ul style="list-style-type: none"> Check their code for errors Say what the code will do to the external device before the program runs 	<p>iProgram L2</p> <ul style="list-style-type: none"> Look at pre-existing code and explain why that code makes the program act a certain way Find errors in code that has been written or written for them 	<p>iProgram L3</p> <ul style="list-style-type: none"> Think logically and manage detailed instructions Evaluating code and finding errors - work out the error and fix it Read code carefully, decrypt and understand the code before finding the fault 	<p>iProgram L3</p> <ul style="list-style-type: none"> Think logically and manage detailed instructions Evaluating code and finding errors - work out the error and fix it Read code carefully, decrypt and understand the code before finding the fault

Big Concept Uses of Technology

<p>iJam - Lite L1</p> <ul style="list-style-type: none"> ● Create own music with Garageband ● Store and retrieve content <p>iProgram - Lite L1</p> <ul style="list-style-type: none"> ● Create digital media by coding their own programs ● Store and retrieve content ● Apply computational thinking to all problems/challenges in life ● What is a computer? ● Things they use on a daily basis that rely on computers <p>iAnimate - Lite L1</p> <ul style="list-style-type: none"> ● Create digital content through animation ● Animation techniques ● Post-production techniques ● Store and retrieve content ● Retrieve content to be manipulated in another app <p>iCreate - Lite L1</p> <ul style="list-style-type: none"> ● Manipulation of photographs ● Retrieve from gallery and open in an app ● Digital design <p>iCommunicate - Lite L1</p> <ul style="list-style-type: none"> ● Save and retrieve work, within the app it was created on, or another ● Develop strategies for different real-life scenarios <p>iTech - Lite L1</p>	<p>iJam - Lite L2</p> <ul style="list-style-type: none"> ● Create own music with Garageband ● Manipulate the app to compose their desired piece <p>iProgram - Lite L2</p> <ul style="list-style-type: none"> ● Create lot of digital media by coding own programs ● Apply computational thinking to all problems/challenges in life ● What is a computer? ● Things they use on a daily basis that rely on computers <p>iAnimate - Lite L2</p> <ul style="list-style-type: none"> ● Create digital content through animation ● Animation techniques ● Post-production techniques ● Store and retrieve content ● Retrieve content to be manipulated in another app <p>iCreate - Lite L2</p> <ul style="list-style-type: none"> ● Manipulation of photographs taken by them and layout designed by them ● Retrieve from gallery and open in an app ● Edit photographs ● Digital design <p>iCommunicate - Lite L2</p> <ul style="list-style-type: none"> ● Edit/manipulate content ● Save and retrieve work, within the app it was created on, or another ● Communicate with people in the same building or on the other side of the world 	<p>iJam L1</p> <ul style="list-style-type: none"> ● Use filters and search functions to find specific sounds <p>iProgram L1</p> <ul style="list-style-type: none"> ● Create various programs and systems that hit certain parameters ● Simple and concise coding ● Evaluate own work <p>iOffice L1</p> <ul style="list-style-type: none"> ● Understanding of networks ● WAN and LAN networks ● Positives and negatives of the internet ● Communication and collaboration of the internet ● Create multiple forms of Word documents ● Combine work using Keynote ● Copy and paste <p>iCreate L1</p> <ul style="list-style-type: none"> ● Job roles within creating animation ● Collaboration and clear instructions ● Different ways work can be shared ● Add backgrounds and sound effects ● Search using filters and search functions to gain the correct media ● Combine a number of apps to create their final piece <p>iCommunicate L1</p> <ul style="list-style-type: none"> ● Collaboration on creative projects and content is made easier by the use of the internet and other shared platforms ● Vlogs, Blogs, Podcasts and Channels 	<p>iJam L2</p> <ul style="list-style-type: none"> ● Use filters and search functions to find specific sounds ● Use linked apps to Garageband ● Transfer from one app into Garageband <p>iProgram L2</p> <ul style="list-style-type: none"> ● Create various programs and systems that hit certain parameters ● Simple and concise coding ● Evaluate own work <p>iOffice L2</p> <ul style="list-style-type: none"> ● Create a new social media for kids ● Catalogue their ideas using the functions in Word. ● Present their work using Keynote ● Copy and paste <p>iCreate L2</p> <ul style="list-style-type: none"> ● Fan videos ● Collaboration through the use of the internet ● Make their own Fan Video ● Using the search function ● Combine a number of apps to create their final piece ● Share and import files <p>iCommunicate L2</p> <ul style="list-style-type: none"> ● Collaboration ● Roles within the magazine industry ● Using the search and filter functions within the Gallery app <p>iTech L2</p> <ul style="list-style-type: none"> ● Use a wide variety of apps to explore 	<p>iJam L3</p> <ul style="list-style-type: none"> ● Use filters and search functions to find specific sounds ● Use the 'Inter-App' audio app to mix a variety of apps into Garageband <p>iProgram L3</p> <ul style="list-style-type: none"> ● Simple and concise coding ● Evaluate own work <p>iOffice L3</p> <ul style="list-style-type: none"> ● Evaluate the film and TV market to budget and fund a film proposal ● Use search and filter functions in Excel ● Use and evaluate data ● Utilise basic and advanced functions within Microsoft Excel to find, compare and evaluate data ● Make important decisions regarding their animated movie proposals which will be submitted via a Keynote presentation <p>iCreate L3</p> <ul style="list-style-type: none"> ● Add sound effects to their animations ● Search and use filter functions to find sounds in the sound library ● Evaluate the sounds ● Use a variety of software ● Create a 2D piece of animation <p>iCommunicate L3</p> <ul style="list-style-type: none"> ● Interdepartmental work/collaboration ● Explore different ways work can be shared with collaborators ● Use a variety of software to create a fully rounded ad campaign <p>iTech L2</p> <ul style="list-style-type: none"> ● Interdepartmental work/collaboration 	<p>iJam L3</p> <ul style="list-style-type: none"> ● Use filters and search functions to find specific sounds ● Use the 'Inter-App' audio app to mix a variety of apps into Garageband <p>iProgram L3</p> <ul style="list-style-type: none"> ● Simple and concise coding ● Evaluate own work <p>iOffice L3</p> <ul style="list-style-type: none"> ● Evaluate the film and TV market to budget and fund a film proposal ● Use search and filter functions in Excel ● Use and 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	<ul style="list-style-type: none"> ● Save and retrieve work, within the app it was created on, or another ● Technology from the 19th and 20th centuries ● Technology at home and school 	<ul style="list-style-type: none"> ● 21st century to communicate and connect <p>iTech - Lite L2</p> <ul style="list-style-type: none"> ● Edit/manipulate content ● Save and retrieve work, within the app it was created on, or another ● Technology used to create live action films and animated cartoons 	<ul style="list-style-type: none"> ● Work on a number of apps to create content ● Word, Notes, Garageband, Strip Designer and Toon me Studio <p>iTech L1</p> <ul style="list-style-type: none"> ● Work in multiple coding apps to gain the skills to control an external device 	<p>somewhere they can not currently go</p> <ul style="list-style-type: none"> ● Create a presentation on Keynote 	<ul style="list-style-type: none"> ● Different ways of collaborating ● Solo work to create a bigger picture ● Use a variety of software to establish connections 	<ul style="list-style-type: none"> ● Different ways of collaborating ● Solo work to create a bigger picture ● Use a variety of software to establish connections
<p>Big Concept Online Safety</p>	<p>iJam - Lite L1</p> <ul style="list-style-type: none"> ● Acceptable and unacceptable use of iPads ● Behaviour - productive and safe <p>iProgram - Lite L1</p> <ul style="list-style-type: none"> ● Acceptable and unacceptable use of iPads ● Behaviour - productive and safe <p>iAnimate - Lite L1</p> <ul style="list-style-type: none"> ● Acceptable and unacceptable use of iPads ● Behaviour - productive and safe <p>iCreate - Lite L1</p> <ul style="list-style-type: none"> ● Taking and editing photos ● Dangers of including a school logo <p>iCommunicate - Lite L1</p> <ul style="list-style-type: none"> ● Photography/videography ● Passwords ● Who to talk to if something you see or hear upsets or concerns you <p>iTech - Lite L1</p> <ul style="list-style-type: none"> ● Photography/videography 	<p>iJam - Lite L2</p> <ul style="list-style-type: none"> ● Acceptable and unacceptable use of iPads ● Behaviour - productive and safe <p>iProgram - Lite L2</p> <ul style="list-style-type: none"> ● Acceptable and unacceptable use of iPads ● Behaviour - productive and safe <p>iAnimate - Lite L2</p> <ul style="list-style-type: none"> ● Acceptable and unacceptable use of iPads ● Behaviour - productive and safe <p>iCreate - Lite L2</p> <ul style="list-style-type: none"> ● Taking and editing photos ● Dangers of including a school logo <p>iCommunicate - Lite L2</p> <ul style="list-style-type: none"> ● Photography/videography ● Passwords ● Who to talk to if something you see or hear upsets or concerns you <p>iTech - Lite L2</p> <ul style="list-style-type: none"> ● Photography/videography 	<p>iJam L1</p> <ul style="list-style-type: none"> ● Acceptable and unacceptable use of iPads ● Behaviour - productive and safe <p>iProgram L1</p> <ul style="list-style-type: none"> ● Acceptable and unacceptable use of iPads ● Behaviour - productive and safe ● What they should do, and who they should tell, should they come across content that affects them in any way <p>iOffice L1</p> <ul style="list-style-type: none"> ● Pros and cons of email ● Construct emails - tone and content ● Caution when sending attachments ● Caution when opening any mail from an unknown sender - how to keep themselves safe/how to protect their computers from viruses <p>iCreate L1</p> <ul style="list-style-type: none"> ● Acceptable and unacceptable use of iPads 	<p>iJam L2</p> <ul style="list-style-type: none"> ● Acceptable and unacceptable use of iPads ● Behaviour - productive and safe <p>iProgram L2</p> <ul style="list-style-type: none"> ● Acceptable and unacceptable use of iPads ● Behaviour - productive and safe <p>iOffice L2</p> <ul style="list-style-type: none"> ● Acceptable and unacceptable use of iPads ● Behaviour - productive and safe <p>iCreate L2</p> <ul style="list-style-type: none"> ● Acceptable and unacceptable use of iPads ● Behaviour - productive and safe <p>iCommunicate L2</p> <ul style="list-style-type: none"> ● Taking photos ● Dangers of including a school logo <p>iTech L2</p> <ul style="list-style-type: none"> ● Acceptable and unacceptable use of iPads 	<p>iJam L3</p> <ul style="list-style-type: none"> ● Acceptable and unacceptable use of iPads ● Behaviour - productive and safe <p>iProgram L3</p> <ul style="list-style-type: none"> ● Acceptable and unacceptable use of iPads ● Behaviour - productive and safe <p>iOffice L3</p> <ul style="list-style-type: none"> ● Acceptable and unacceptable use of iPads ● Behaviour - productive and safe <p>iCreate L3</p> <ul style="list-style-type: none"> ● Acceptable and unacceptable use of iPads ● Behaviour - productive and safe <p>iCommunicate L3</p> <ul style="list-style-type: none"> ● Make videos, take photos and record their voices - safest way to do all this to protect personal information <p>iTech L2</p> <ul style="list-style-type: none"> ● Acceptable and unacceptable use of iPads 	<p>iJam L3</p> <ul style="list-style-type: none"> ● Acceptable and unacceptable use of iPads ● Behaviour - productive and safe <p>iProgram L3</p> <ul style="list-style-type: none"> ● Acceptable and unacceptable use of iPads ● Behaviour - productive and safe <p>iOffice L3</p> <ul style="list-style-type: none"> ● Acceptable and unacceptable use of iPads ● Behaviour - productive and safe <p>iCreate L3</p> <ul style="list-style-type: none"> ● Acceptable and unacceptable use of iPads ● Behaviour - productive and safe <p>iCommunicate L3</p> <ul style="list-style-type: none"> ● Make videos, take photos and record their voices - safest way to do all this to protect personal information <p>iTech L2</p> <ul style="list-style-type: none"> ● Acceptable and unacceptable use of iPads

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<p>Vocab</p>	<p>Algorithm, debug/ging, password, technology, save, animation, computer, code/coding</p>	<p>Algorithm, debug/ging, password, save, animation, computer, edit/ing, technology, code/coding</p>	<p>Algorithm, debug/ging, email, virus, code/coding, Vlogs, Blogs, Podcasts and Channels, internet, animation, WAN and LAN, input and output, collaboration, copy and paste</p>	<p>Algorithm, debug/ging, code/coding, internet, animation, input and output, collaboration, copy and paste, import</p>	<p>Algorithm, debug/ging, code/coding, internet, animation, input and output, collaboration, copy and paste, import, interdepartmental</p>	<p>Algorithm, debug/ging, code/coding, internet, animation, input and output, collaboration, copy and paste, import, interdepartmental</p>