Western Community Primary School Computing Progression Map						
Year 1	**Autumn 1**	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Computing Focus	**Information Technology Unit: Drawing** I can use technology purposefully to create digital content I can present and save ideas in a variety of ways.	**Information Technology Unit: Photo and Video (PHOTO LESSONS)** I can use technology purposefully to create digital content I can present and save ideas in a variety of ways. I can recognise common uses of information technology.	**Information Technology Unit: Photo and Video (VIDEO LESSONS)** I can use technology purposefully to create digital content I can present and save ideas in a variety of ways. I can recognise common uses of information technology.	**Coding Unit** I can understand what algorithms are I can understand how simple coding works I can create a set of sequences I can use technology purposefully to create digital content. I can predict the	**Coding Unit Continued** I can understand what algorithms are I can understand how simple coding works I can create a set of sequences I can use technology purposefully to create digital content.	**Coding Unit Continued** I can understand what algorithms are I can understand how simple coding works I can create a set of sequences I can use technology purposefully to create digital content. I can predict the

				behaviour of simple programs I can create a set of sequences on the computer or other digital device I can use find and correct errors in programs I can predict what will happen in a simple simulation. Knowlsley: Walking with Dinosuars unit	I can predict the behaviour of simple programs I can create a set of sequences on the computer or other digital device I can use find and correct errors in programs Knowsley: APP ATTACK unit Scratch Jr	behaviour of simple programs I can create a set of sequences on the computer or other digital device I can use find and correct errors in programs Knowsley: APP ATTACK unit Scratch Jr
Key Vocabulary	Digital content App Seesaw Sketches School Upload Screenshot	Digital content App Seesaw Photo Camera Camera Roll Shutter button Trash/delete Swipe	Digital content App Seesaw Photo Camera Camera Roll Shutter button Trash/delete Swipe	Algorithm Sequence Instructions Screen shot upload	Algorithm Sequence Instructions	Algorithm Sequence Instructions Program Blocks Sequence Grow Shrink Connect

		Record button	Record button			Repeat Forever
Unit Outcome	Various digital pictures linked to pattern- uploaded to Seesaw.	Piece of Photo Art	Video of A-Z objects	No main outcome- weekly scrrenshots/videos of coding sessions from Daisy the Dinosaur uploaded to Seesaw.	No main outcome- weekly screenshot/videos of Scratch Jr activities uploaded to Seesaw	No main outcome- weekly screenshot/videos of Scratch Jr activities uploaded to Seesaw
Year 2	**Autumn 1**	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Computing Focus	**Information Technology Unit: Drawing** I can use technology purposefully to create, organise, store, manipulate and retrieve digital content. I can use technology purposefully to create digital content,	**Information Technology Unit: Photo and Video (PHOTO LESSONS)** I can use technology purposefully to create, organise, store, manipulate and retrieve digital content. I can use technology purposefully to create digital	**Information Technology Unit: Photo and Video (VIDEO LESSONS)** I can use technology purposefully to create, organise, store, manipulate and retrieve digital content. I can use technology purposefully to create digital	**Coding Unit** I can open, edit and save ideas and use a variety of different programs I can create a simple set of instructions I can create and debug simple programs	**Coding Unit Continued** I can create a simple set of instructions I can create and debug simple programs I can understand that programs work by following precise instructions	**Coding Unit Continued** I can debug programs by using logical reasoning to predict the actions instructed by the code I can look at a set of instructions and predict what will happen. I can understand that an event is an

	comparing the benefits of different programs I can open, edit and save ideas and use a variety of different programs.	content, comparing the benefits of different programs I can open, edit and save ideas and use a variety of different programs.	content, comparing the benefits of different programs I can open, edit and save ideas and use a variety of different programs.	I can look at a set of instructions and predict what will happen I can understand the word algorithm and can create and edit a set of instructions I can understand the importance of order when sequencing instructions I can code using sequences I can build a step by step sequence	I can debug programs by using logical reasoning to predict the actions instructed by the code I can look at a set of instructions and predict what will happen I can code using different sequences to achieve the same outcome	action that causes something to happen I can code using events and actions I can code with loops I can understand what a loop is I can identify where a loop can make an instruction more efficient
Key Vocabulary	Digital content Program App Screen shot Upload Edit Mark Up Text	Side lit Light source Backlighting Edit Crop Frame Subject Markup tools	Side lit Light source Backlighting Edit Crop Frame Subject Markup tools	Coding Developer Sequence Command Loop Bug Debugging Event	Coding Developer Sequence Command Loop Bug Debugging Event	Coding Developer Sequence Command Loop Bug Debugging Event

	Object Pinch in Pinch out Air Drop	Airdrop Eraser tool Screenshot Crop Slo-mo	Airdrop Eraser tool Screenshot Crop Slo-mo			
Unit Outcome	Labelled/Marked Up Photo of an object/objects uploaded to Seesaw.	Various photos edited and uploaded to Seesaw per session. Piece of Photo Art.	Short 'Treasure Hunt' film- made in Clips and uploaded to Seesaw.	No main outcome Weekly videos/screenshots of code puzzle solutions uploaded to Seesaw.	No main outcome Weekly videos/screenshots of code puzzle solutions uploaded to Seesaw.	No main outcome Weekly videos/screenshots of code puzzle solutions uploaded to Seesaw.
Year 3	**Autumn 1**	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Computing Focus	**Information Technology Unit: Keynote** I can understand that computer networks enable the sharing of data… I can use email and other tools to communicate….	**Information Technology Unit: Drawing** I can select and use a variety of software to accomplish goals. I can use email and other tools to communicate online.	**Coding Unit** I can recognise familiar forms of input and output devices and how they are used I can write an algorithm to reach a certain goal	**Coding Unit Cont** I can recognise familiar forms of input and output devices and how they are used I can write an algorithm to reach a certain goal	**Coding Unit Cont** I can recognise familiar forms of input and output devices and how they are used I can write an algorithm to reach a certain goal	**IT and Coding Unit BBC Microbit** I can write an algorithm to reach a certain goal **I** can recognise familiar forms of input and output devices and how they are used

	I can use tools to improve the presentation of ideas. I can understand that the Internet is a large network. Apple Teacher Badge needed: KEYNOTE	I can use technology safely and recognise acceptable and unacceptable behaviour. I can use tools to improve the presentation of ideas.	I can program a robot to complete a task I can select and use a variety of software to accomplish goals I can detect and correct errors in algorithms and programs I can make efficient use of input and output devices I can code using IF statements I can understand an algorithm is a set of instructions to solve a problem	I can program a robot to complete a task I can select and use a variety of software to accomplish goals I can detect and correct errors in algorithms and programs I can make efficient use of input and output devices I can code using IF statements I can understand an algorithm is a set of instructions to solve a problem	I can program a robot to complete a task I can select and use a variety of software to accomplish goals I can detect and correct errors in algorithms and programs I can make efficient use of input and output devices I can code using IF statements I can understand an algorithm is a set of instructions to solve a problem	I can make efficient use of input and output devices I can understand that computer networks enabling the sharing of data

			I can solve coding puzzles using loops I can program a robot using a sequence and repetition to complete a task I can use decomposition to solve coding puzzles .	I can solve coding puzzles using loops I can program a robot using a sequence and repetition to complete a task I can use decomposition to solve coding puzzles	I can solve coding puzzles using loops I can program a robot using a sequence and repetition to complete a task I can use decomposition to solve coding puzzles	
Key Vocabulary	Import Insert Image Placeholder Format Style Text Arrange Font Line Spacing Slide	App Upload Mark Up Air Drop Website Download Minimise Erase Edit	Conditional Statements Algorithm Command Sequence Bug Debugging Pseudocode For Loop Composition Decomposition	Conditional Statements Algorithm Command Sequence Bug Debugging Pseudocode For Loop Composition Decomposition	Conditional Statements Algorithm Command Sequence Bug Debugging Pseudocode For Loop Composition Decomposition	Abstraction Logical Reasoning Debugging Program Flash Makecode editor Input Output Delay Patterns Tinker
Unit	Keynote	Digital picture of a	No main outcome-	No main outcome-	No main outcome-	Video of Microbit

Outcome	presentation uploaded to Seesaw.	place with people in it uploaded to Seesaw.	weekly screenshots/videos of coding puzzles and solutions uploaded to Seesaw with some additional commentary-either text or audio.	weekly screenshots/videos of coding puzzles and solutions uploaded to Seesaw with some additional commentary-either text or audio.	weekly screenshots/videos of coding puzzles and solutions uploaded to Seesaw with some additional commentary-either text or audio.	performing coded task. Screenshot of code uploaded each week.
Year 4	**Autumn 1**	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Computing Focus	**Information Technology Unit: Keynote** I can select and use a variety of software on digital devices, with support I can select and use a variety of software on digital devices to achieve specific goals, with support	**Information Technology Unit: Drawing** I can select and use, with support, a variety of software on digital devices I can select, use and combine a variety of software on a range of digital devices to accomplish given	**Coding Unit** I can select, use and combine a range of software to achieve given goals I can understand how simple coding works I can pick apart a program to see how it works	**Coding Unit** I can pick apart a program to see how it works I can use logical reasoning to detect bugs I can use logical reasoning to detect bugs I can use loops within code	**Coding Unit** I can pick apart a program to see how it works I can use logical reasoning to detect bugs I can use logical reasoning to detect bugs I can use loops within code	**IT and Coding Unit BBC Microbit** I can decompose programs into smaller parts I can understand how simple coding works I can use logical reasoning to detect and correct errors

	I can use collaborative programs and the Internet to create digital content I can safely use the internet to follow lines of enquiry I can begin to use the internet to support my learning Apple Teacher Badge needed: KEYNOTE	goals, with support I can select, use and combine a variety of software, systems and content that accomplish given goals	I can code using commands and sequences I can describe what debugging is Apple Teacher Badge needed: SWIFT PLAYGROUNDS 1	I can decompose programs into smaller parts Apple Teacher Badge needed: SWIFT PLAYGROUNDS 2	I can decompose programs into smaller parts I can program a robot using a sequence and repetition to complete a task Apple Teacher Badge needed: SWIFT PLAYGROUNDS 3	I can select and use a variety of software on digital devices to achieve specific goals, with support I can pick apart a program to see how it works
Key Vocabulary	Import Insert Image Placeholder Format Style Text Arrange Font	Digital content App Seesaw Sketches School Air Drop Import Mark Up Angled block letters	Coding Developers Command Sequence Bug Debugging Function For loop	Coding Developers Command Sequence Bug Debugging Function For loop	Coding Developers Command Sequence Bug Debugging Function For loop	Outputs Inputs Tinkering Selection Decision boxes Conditional Algorithm Repetition Program

	Line Spacing Slide Build In Build Out Action Transition Animation Object Instant Alpha Background					Loops Decomposition
Unit Outcome	**Keynote slides evidencing taught skills uploaded to Seesaw.**	**A piece of digital art focussing on expressive word art uploaded to Seesaw.**	**No main outcome- weekly videos/photios of code puzzles and solutions uploaded to Seesaw. With occasional additional commentary either text or audio.**	**No main outcome- weekly videos/photios of code puzzles and solutions uploaded to Seesaw. With occasional additional commentary either text or audio.**	**No main outcome- weekly videos/photios of code puzzles and solutions uploaded to Seesaw. With occasional additional commentary either text or audio.**	**Video of Microbit performorming coded task. Weekly uploads to Seesaw of code used.**

Year 5	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Computing Focus	**Information Technology Unit: Keynote** I can independently select and use a variety of software on digital devices to achieve specific goals I can begin to use Internet services to present and share and transfer information and data I can use filters in search technologies effectively I can understand which information sources are reliable	**Information Technology Unit: Drawing** I can independently select and use a variety of software on digital devices to achieve specific goals I can begin to use Internet services to present and share and transfer information and data I can use filters in search technologies effectively I can discover if a website is trusted and reliable	**Coding Unit** I can describe what conditional code is I can code using conditional code I can design, write and debug programs that accomplish specific goals I can design, write and test simple programs that follow a sequence of instructions or allow a set of instructions to be repeated I can solve a problem by breaking a program into several smaller parts	**Coding Unit Cont** I can describe what conditional code is I can code using conditional code I can design, write and debug programs that accomplish specific goals I can design, write and test simple programs that follow a sequence of instructions or allow a set of instructions to be repeated I can solve a problem by breaking a program into several smaller parts	**Coding Unit Cont** I can describe what conditional code is I can code using conditional code I can design, write and debug programs that accomplish specific goals I can design, write and test simple programs that follow a sequence of instructions or allow a set of instructions to be repeated I can solve a problem by breaking a program into several smaller parts	**IT and Coding Unit BBC Microbit** I can solve a problem by breaking a program into several smaller parts I can begin to use Internet services to present and share and transfer information and data I can design, write and debug programs that accomplish specific goals I can understand how inputs and outputs work I can discover if a website is trusted and reliable

	I can discover if a website is trusted and reliable I can appreciate how search results are selected and ranked **Apple Teacher Badge needed:** **KEYNOTE**	.	I can code using Booleans I can describe what Booleans are I can describe what logical operators are I can code using logical operators I can use logical reasoning to explain how increasingly complex algorithms work to ensure a progam's efficiency. Apple Teacher Badge needed: SWIFT PLAYGROUNDS 1	I can code using Booleans I can describe what Booleans are I can describe what logical operators are I can code using logical operators I can use logical reasoning to explain how increasingly complex algorithms work to ensure a progam's efficiency. Apple Teacher Badge needed: SWIFT PLAYGROUNDS 2	I can code using Booleans I can describe what Booleans are I can describe what logical operators are I can code using logical operators I can use logical reasoning to explain how increasingly complex algorithms work to ensure a progam's efficiency. SWIFT PLAYGROUNDS 3	I can understand which information sources are reliable

Key Vocabulary	Magic Move Animations Transitioning Object Segue slide Instant Alpha Split View Transition Build In Titles Bullets Interactive chart Axis Data Web crawler Search index URL Address bar	Internet services Sketches Download Import Upload Mark Up Horizon line Perspective Foreground Depth Smudge tool Blur effect Eye-level view Worm's eye view Bird's eye view	Condition Conditional Code Boolean Logical operator Pseudocode	Condition Conditional Code Boolean Logical operator Pseudocode	Condition Conditional Code Boolean Logical operator Pseudocode	Data Selection Repetition Program Algorithm Condition Program Sensors Input Repetition If Then Output Input
Unit Outcome	**Keynote slides evidencing taught skills uploaded to Seesaw.**	Digital art piece of a favourite landscape uploaded to Seesaw.	No main outcome. Weekly evidence journal on Seesaw of pseudocode, coding solutions and commentary- either audio or text.	No main outcome. Weekly evidence journal on Seesaw of pseudocode, coding solutions and commentary- either audio or text.	No main outcome. Weekly evidence journal on Seesaw of pseudocode, coding solutions and commentary- either audio or text.	Video of Microbit performing coded task. Weekly uploads to Seesaw of code.
Year 6	**Autumn 1**	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**

Computing Focus	**Information Technology Unit: Keynote** I can use filters in search technologies and be discerning when evaluating digital content I can use a variety of different types of searches I can independently select, use and combine a range of software in order to create a range of digital content I can use technology respectfully and responsibly	**Information Technology Unit: Drawing** I can use technology respectfully and responsibly I can independently select, use and combine a range of software in order to create a range of digital content I can independently select, use and combine a variety of software to create and present digital content	**Coding Unit** I can detect and correct errors in algorithms and programs I can include use of sequences, selection and repetition with the hardware used to explore real world simulations I can solve problems by decomposing them into smaller parts I can describe what while loops are I can code using while loops	**Coding Unit Cont** I can detect and correct errors in algorithms and programs I can include use of sequences, selection and repetition with the hardware used to explore real world simulations I can solve problems by decomposing them into smaller parts I can describe what while loops are I can code using while loops	**Coding Unit Cont** I can detect and correct errors in algorithms and programs I can include use of sequences, selection and repetition with the hardware used to explore real world simulations I can solve problems by decomposing them into smaller parts I can describe what while loops are I can code using while loops	**IT and Coding Unit BBC Microbit** I can create programs which use variables I can use variables, selection and repetition in programs I can test and edit programs. I can use logical reasoning to explain how increasingly complex algorithms work and to detect and correct errors in algorithms I can include use of sequences, selection and repetition with the hardware used to

	I can independently select, use and combine a variety of software to create and present digital content I can understand computer networks and how they work Apple Teacher Badge needed: KEYNOTE		I can describe what pseudocode is I can use variables, selection and repetition in programs I can use logical reasoning to explain how increasingly complex algorithms work and to detect and correct errors in algorithms Apple Teacher Badge needed: SWIFT PLAYGROUNDS 1	I can describe what pseudocode is I can use variables, selection and repetition in programs I can use logical reasoning to explain how increasingly complex algorithms work and to detect and correct errors in algorithms Apple Teacher Badge needed: SWIFT PLAYGROUNDS 2	I can describe what pseudocode is I can use variables, selection and repetition in programs I can use logical reasoning to explain how increasingly complex algorithms work and to detect and correct errors in algorithms Apple Teacher Badge needed: SWIFT PLAYGROUNDS 3	explore real world simulations I can solve problems by decomposing them into smaller parts
Key Vocabulary	Search engine Advanced search Filters	Sketches Seesaw Upload	While Loop Algorithm Pseudocode	While Loop Algorithm Pseudocode	While Loop Algorithm Pseudocode	Algorithm Program Variable

	Split View Export Magic Move Transition Add Upload Format Font Background Export Share Resolution Airdrop Copy Paste	Import/Share Edit Mark up Software Upload Mark up Pinch in/out Export/Share	Variable	Variable	Variable	Debug
Unit Outcome	Complete Keynote presentation (linked to FS topic) demonstrating skills from Y3-6 uploaded to Seesaw.	Digital piece of art-portrait uploaded to Seesaw.	No main outcome. Weekly evidence journal on Seesaw of pseudocode, coding solutions and commentary- either audio or text.	No main outcome. Weekly evidence journal on Seesaw of pseudocode, coding solutions and commentary- either audio or text.	No main outcome. Weekly evidence journal on Seesaw of pseudocode, coding solutions and commentary- either audio or text.	Video of Microbit performing coded task. Weekly uploads to Seesaw of code.