Wilbury **Computing** Overview- Composite Knowledge

	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
EYFS	Do you have strategies for solving problems? Can you create a sequence? Can you use directional language? Do you know computers are machines that come in many different forms? Can you use a computer to perform a simple task? Do you know we can find information using computers? Can you find places on Google Maps?					
Year 1	**Introducing Algorithms** **Computer Science** Computers are machines that follow instructions. We write these instructions as algorithms.	**Logging On** **Digital Literacy – inc. online safety** Use a username and password to logon to the computer, navigate the web and create digital artefacts	**Personal information and iPads** **Digital Literacy – inc. online safety** How to stay safe when online and know who to ask for help	**Beebot Algorithms** **Computer Science** Write, test and debug algorithms for digital devices		
Year 2	**Navigating the Web and Staying Safe online** **Digital Literacy – inc. online safety** Use computers to navigate the World Wide Web and find information	**Writing Algorithms** **Computer Science** Write clear and precise algorithms for computers to follow	**Beginning Desktop Publishing** **Digital Literacy – inc. online safety** Use software to create digital artefacts	**Programming Probots** **Computer Science** Write, test and debug algorithms for digital devices		

Year 3	**Typing and Online Safety** **Digital Literacy – inc. online safety** Use computers confidently and safely and know what to do if concerned	**Multimedia Presentations** **Digital Literacy – inc. online safety** Use a variety of software and be able to save and retrieve work between lessons	**What's Inside Your Computer** **Computers, Networks and the WWW** Identify the main computer components and their role	**Input and Output** **Computer Science** Identify input and outputs and write simple programs to interact with them	**Programming Sequence** **Computer Science** Write, test and debug programs using sequences and repetition	**Programming Sequence** **Computer Science** Write, test and debug programs using sequences and repetition
Year 4	**What's Inside Your Computer** **Computers, Networks and the WWW** Identify the main computer components and their role	**Input and Output** **Computer Science** Identify input and outputs and write simple programs to interact with them	**Events, Actions and Sequences** **Computer Science** Write, test and debug programs using events, complex sequences and repeat loops	**Events, Actions and Sequences** **Computer Science** Write, test and debug programs using events, complex sequences and repeat loops		
Year 5	**Build Your Own Computer** **Computers, Networks and the WWW** Know the role of each part of a computer and the vital role of the operating system	**Introducing Networks** **Computer Science** That computer networks are made by joining computers together	**Introducing Selection and the Micro:bit** **Computer Science** Write, test and debug programs that use selection	**Variables in Scratch** **Computer Science** Write, test and debug programs that make use of variables	**Selection in Scratch** **Computer Science** Write, test and debug programs that use selection to control the flow of the program	
Year 6	**Physical Computing** **Computer Science** Write, test and debug programs that control physical components	**Introducing HTML** **Computers, Networks and the WWW** Recognise how webistes are created and shared	**Photo editing** **Digital Literacy – inc. online safety** Use software and recognise the impact digital technology has on our daily lives	**Managing Online Information** **Digital Literacy – inc. online safety** Critically evaluate online information	**3D Modelling** **Digital Literacy – inc. online safety** Use software and recognise the how technology is use din the world around us	