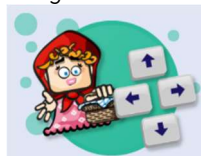
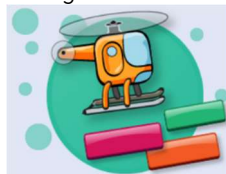
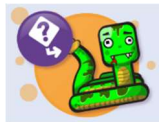
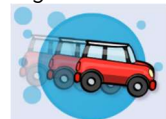
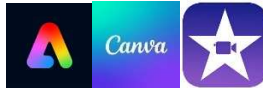


Year 1	Instructions (We are treasure hunters) (3 lessons) BeeBots 	Coding Unit 1a: On the move (6 lessons) Discovery Education 	Coding Unit 1b: Simple inputs (7 lessons) Discovery Education 	Word processing and keyboard skills (We are keyboard wizards) Laptops Twinkl 	Creating media (We are storytellers) Children film each other telling a story (from English lesson?) on iPads 	Handling Data (We are data collectors) Link to Maths and counting objects. Make a class visual graph 
Key Individuals Cultural Capital	Evelyn Boyd Granville  Evelyn Boyd Granville was second African-American woman in the country to earn a PhD in mathematics. She worked at IBM in 1956 and then NASA employed her to create computer software that analysed satellites in space! Evelyn went on to work on the NASA Apollo Space Projects. An amazing woman.	Tim Burners-Lee  Tim was born on the 8 June 1955. He is an Englishman known as the father of the World Wide Web because he made it!	Seymour Cray  Born on September 28, 1925 and died on October 5, 1996. Seymour was an American supercomputer architect who founded the company named after himself; he quickly became known as manufacturing the world's fastest computers for over 30 years!			
Year 2	Coding refresher starter unit (3 lessons) Discovery Education 	Coding Unit 2a: Inputs (6 lessons) Discovery Education 	Coding Unit 2b: Buttons and instructions (7 lessons) Discovery Education 	Word Processing (We are publishers) Type up a simple story (link to English?) 	Creating Media (We are animators) Pivot Animator – laptop software 	Data and information (We are graph drawers) Does not have to be computer based. Could be a class graph made or done in adult led groups using word.

Key Individuals	Gunpei Yokoi  In 1979, Gunpei Yokoi conceived the idea of a handheld video game, while observing a fellow bullet train commuter who passed the time by interacting idly with a portable LCD calculator. The idea became Game & Watch. In 1980, Nintendo launched Game & Watch—a handheld video game series developed by Yokoi.		Bill Gates  The American founder of Microsoft Corporation and developer of Windows; he was the richest man in the world for many years before he gave away a lot of his wealth to charity.		Hedy Lamarr  In 1942, at the height of the Second World War, Austrian actress Hedy Lamarr was a pioneer in the field of wireless communications.	
Year 3	Coding starter unit (3 lessons) Discovery Education 	Coding Unit 3a: Sequence and animation (6 lessons) Discovery Education 	Coding Unit 3b: Selection (7 lessons) Discovery Education 	Text and images (We are poster designers) Canva/Adobe Express/Publisher 	Creating Media (We are musicians) Garage Band 	Internet Skills (We are email experts) Google Chrome – how to find a webpage. 
Key Individuals	Jean Bartik  Jean Bartik was one of the women hired in 1945 to compute, by hand, ballistic firing tables for the U.S. Army using mechanical desktop calculators. She is one of the world's first programmers. Bartik was also part of a group that converted ENIAC into a stored-program computer, a major milestone that improved its efficiency and usefulness.		Edgar Frank-Gold  (August 23, 1923 – April 18, 2003) English computer scientist known for his work in inventing the "relational model" for databases, which is still in use today.		Victoria Alonso  Alonso is the Marvel Studios' executive vice president of physical production. Visual Effects! She has overseen the effects for many of the movies in the Avenger series, <i>Guardians of the Galaxy</i>, and many more. She's a boss lady if we've ever seen one.	

Year 4	Coding starter unit (3 lessons) Discovery Education 	Coding Unit 4a: Variables (7 lessons) Discovery Education 	Coding Unit 4b: repetition and loops (6 lessons) Discovery Education 	Creating images (We are digital artists) Pixel Art. Start off on... https://www.pixilart.com/draw then move on to physical Art. 	Creating Media (We are animators 2). I can animate. 	Data and information (We are researchers) Research skills. How to use a search engine. Research a topic and produce some types writing (combine with English/history/Geography?) 
Key Individuals	Karen Spärck Jones  The search engines we use today (google etc) rely on the work by a computer scientist - Karen Spärck Jones.	Alan Mathison  An English computer scientist known as the "father of computer science"; inventor of a famous test, which is used as the basis for what makes a computer a computer!	Steve Jobs/Wozniak  The American founder and former CEO of Apple and a leading figure in the computer industry.			
Year 5	Coding starter unit (8 lessons) Discovery Education 	Coding Unit 5a: Speed, direction and coordinates (7 lessons) Discovery Education 	Coding Unit 5b: Simulations (6 lessons) Discovery Education 	Internet skills: Web page creation & online safety (We are web designers) 	Creating Media (We are reporters/advertisers) Link to English work – report 	Spreadsheets (We are data presenters) Learn about Excel or word and input data 

Key Individuals	Margaret Hamilton  Margaret Hamilton had many accomplishments. Her most outstanding was her work for NASA. In the 1960s Hamilton led a team tasked with developing software for the guidance and control systems of the in-flight command and lunar modules of the Apollo missions. Hamilton concentrated her work on software to detect system errors and recover information in a computer crash.	Gordon Moore  The American co-founder of Intel Corporation and the author of a law later named after him which predicts the speed increase of integrated circuits over time.	Grace Hopper  After serving in the Second World War, Grace Hopper became a research fellow at Harvard where she worked with the Mark II and Mark III computers before moving into private industry. Hopper is also credited with popularising the terms <i>computer bug</i> and <i>debugging</i>. These terms grew out of an incident during her time at Harvard, when a moth was found to have shorted out the Mark II.			
Year 6	Coding starter unit (11 lessons) Discovery Education 	Coding Unit 6a: More complex variables (7 lessons) Discovery Education 	Coding Unit 6b: Object properties (6 lessons) Discovery Education 	Computer design: (We are designers) Design anything using editing software. Could use publisher or online websites such as Canva or Adobe Express. 	Creating Media & online-safety (We are film directors) Make a film! Record on iPads and edit in iMovie/Adobe Express etc 	Spreadsheets (We are data experts) Input some data, turn it into a graph! 

Key Individuals

Guido Van Rossum



Born Jan 31, 1956, he was a Dutch inventor of the Python programming language!

Hideo Kojima



A Japanese game developer who has been part of the industry for more than 3 decades, getting his start with Konami in 1986 while working on the very first Metal Gear Solid game which is one of the biggest games of all time, releasing several version on many different consoles and PC software packages.

Carol Shaw



Shaw is considered the first female video game designer and programmer. She was the driving force for the Atari console from its earliest days, leaving an indelible mark on the video game industry.