

Sapphire Computing Skills Progression – Year B

My Online Life (Y4) Big Idea: Digital Literacy	I can understand the different methods of communication using the internet.	I can use a search engine and I am aware that not everything I read online is correct.	I can evaluate information presented to me to make informed choices about what is Fake News.	I can describe strategies for safe and fun experiences in a range of online social environments and I'm respectful to others online.	I understand that people may have a different online identity to that in real life and am able to interact with others.	I am aware that others can find information out about me by searching online.
	I know which technologies are used for online bullying and I am considerate to others when posting myself.	I understand the impact technology can have on my health, wellbeing and lifestyle.	I am aware that some people want to access my data and can take appropriate measures to ensure this doesn't happen.	I understand the need for copyright and the consequences of ignoring it.		
Micro:bit - Volcanoes Big Idea: Computer Science	I can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, repetition, algorithms and data representation.	I have repeated practical experience of writing computer programs in order to solve problems.	I can use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.	I can evaluate and apply information technology.	I can design, write and debug programs that accomplish specific goals and simulate real life.	I can solve problems by decomposing them into smaller parts, use sequence, selection in programs; work with various forms of input and output.
NEWSWISE – The Guardian: Understanding the News Big Idea: Information Technology/ Digital Literacy.	I can understand the different methods of communication using the internet.	I can use a search engine and I am aware that not everything I read online is correct.	I can evaluate information presented to me to make informed choices about what is Fake News.	I understand that people may have a different online identity to that in real life and am able to interact with others.	I understand the impact technology can have on my health, wellbeing and lifestyle.	
Dancing Robot (Y3) Big Idea: Computer Science	I can troubleshoot when something doesn't appear to be working on my device.	I can plan, create and debug programs.	I can use decomposition to help me solve computing problems.	I can work with various forms of input and output.	I can use logical reasoning to predict and correct errors in algorithms and programs.	
T Shirt Designers (Y3) Big idea: Information Technology	I can troubleshoot when something doesn't appear to be working on my device.	I can discuss different types of digital content and file types.	I can improve the quality and presentation of my work.	I can create with technology. E.g. video, animation 3D,		.
Rainforests (Y3) Big Idea: Information Technology	I can troubleshoot when something doesn't appear to be working on my device.	I can discuss different types of digital content and file types.	I can improve the quality and presentation of my work.	I can create with technology. E.g. video, animation 3D,		

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