Computing Non Negotiables		
Technology threads *Being a digital Citizen, creator, communicator*	Pos	Year 1
Programming	Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions create and debug simple program use logical reasoning to predict the behaviour of simple programs	• Create a story algorithm • 'Direct a person bot' through a simple algorithm • Understand that an algorithm is a series of instructions • Use a screen turtle. • Understand buttons for commands • Use programmable toys for a purpose • Develop a program using a programmable toy. • Record program for others to follow • Correct errors in adult generated programs using a floor robot.
Data	use technology purposefully to create, organise, store, manipulate and retrieve digital content	• Recognise that technology can help to collect data • Understand that information can be stored in different ways (sound, text, video, images)
Understanding	use technology purposefully to create, organise, store, manipulate and retrieve digital content recognise common uses of information technology beyond school	• Use different input devices to store information (cameras, mp3 players) • Use a range of programs to gather and store information
Using Effectively	use technology purposefully to create, organise, store, manipulate and retrieve digital content	• Recognise a range of technology in the workplace, in the home, in the world around them • Describe the uses of technology and begin to understand how to use technology for a range of purposes • Begin to experiment with simple email and messaging
Keeping Safe	use technology safely and respectfully, keeping personal information private; know where to go for help and support when they have concerns about material on the internet	• Understand when and why passwords are used • Agree rules for using the computer • Understand 'log on' • How to communicate online

Reviewed Feb, 2014
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