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| **Progression of Skills in: Computing** |

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| **Skills** | **Reception** | **Year 1** | **Year 2** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
| Digital Literacy | I can talk about good & bad choices when using websites.  I can play appropriate games on the Internet.  I can talk about why I need to keep personal information private. | I can use technology safely  I understand why I should keep personal information private  I can recognise common uses of information technology beyond school | I can use technology respectfully  I can Identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies | I can use technology responsibly  I can identify a range of ways to report concerns about contact | I understand the opportunities computer networks offer for communication  I can identify a range of ways to report concerns about content  I can recognise acceptable/unacceptable behaviour | I understand the opportunities computer networks offer for collaboration  I can be discerning in evaluating digital content  I can identify a range of ways to report concerns about content  I can recognise acceptable/ unacceptable behaviour | I understand the opportunities computer networks offer for collaboration  I can be discerning in evaluating digital content |
| Computer Science | I can program a toy (Bee-Bot) using simple instructions  I understand that I control the programmable toy  I can use a  suitably aged  program on a  computer/I-Pad effectively  I know that  information  can be retrieved  from computers  I can recognise  that technology is used in places  such as homes and schools. | I understand what algorithms are  I can create simple programs | I understand that algorithms are implemented as programs on digital devices  I understand that programs execute by following precise and unambiguous instructions  I can debug simple programs  I can use logical reasoning to predict the behaviour of simple programs | I can write programs that accomplish specific goals  I can use sequence in programs  I can work with various forms of input  I can work with various forms of output | I can design programs that accomplish specific goals  I can design and create programs  I can debug programs that accomplish specific goals  I can use repetition in programs  I can control or simulate physical systems  I can use logical reasoning to detect and correct errors in programs  I can understand how computer networks can provide multiple services, such as the World Wide Web  I can appreciate how search results are selected | I can solve problems by decomposing them into smaller parts  I can use selection in programs  I can work with variables  I can use logical reasoning to explain how some simple algorithms work  I can use logical reasoning to detect and correct errors in algorithms  I can understand computer networks, including the internet  I can appreciate how search results are ranked | I can solve problems by decomposing them into smaller parts  I can use selection in programs  I can work with variables  I can use logical reasoning to explain how some simple algorithms work  I can use logical reasoning to detect and correct errors in algorithms  I can understand computer networks, including the internet |
| Information Technology | I know how to turn the computer on/off  I can use the mouse effectively to achieve a desired outcome    I am beginning to use the keyboard effectively  I know how to operate simple equipment e.g. turn on a CD player, uses a remote control. etc.  I can complete a simple program on a computer.  I can use ICT hardware to interact with age-appropriate computer software.  I show an interest with real objects such as camera or mobile phone.  I can select and use technology for particular purposes. | I can use technology purposefully to create digital content  I can use technology purposefully to store digital content  I can use technology purposefully to retrieve digital content | I can use technology purposefully to organise digital content  I can use technology purposefully to manipulate digital content | I can use search technologies effectively  I can use a variety of software to accomplish given goals  I can collect information  I can design and create content  I can present information | I can select a variety of software to accomplish given goals  I can select, use and combine internet services  I can analyse information  I can evaluate information  I can collect data  I can present data | I can combine a variety of software to accomplish given goals  I can select, use and combine software on a range of digital devices  I can analyse data  I can evaluate data  I can design and create systems | I can combine a variety of software to accomplish given goals  I can select, use and combine software on a range of digital devices  I can analyse data  I can evaluate data  I can design and create systems |