**National Curriculum Programmes of Study**

**Computing - Year 1 & Year 2**

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| KS1 Computing Pupils should be taught: | |
| C1/1.1    understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions |  |
| C1/1.2    create and debug simple programs |  |
| C1/1.3    use logical reasoning to predict the behaviour of simple programs |  |
| C1/1.4    use technology purposefully to create, organise, store, manipulate and retrieve digital content |  |
| C1/1.5 recognise common uses of information technology beyond school |  |
| C1/1.6 use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies |  |

**Computing - Year 3**

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| Y3 Computing Pupils should be taught: | |
| C2/1.1    design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts |  |
| C2/1.2    use sequence, selection, and repetition in programs; work with variables and various forms of input and output |  |
| C2/1.3    use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs |  |
| C2/1.3    use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs |  |
| C2/1.4    understand computer networks including the internet; how they can provide multiple services, such as the world-wide web; and the opportunities they offer for communication and collaboration |  |
| C2/1.5    use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content |  |
| C2/1.6    select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information. |  |
| C2/1.7    use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact |  |