**Skills progression for ICT**

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| **Skill** | **Year 3** | **Year 4** | **Year 5** | **Year 6** |
| **Digital literacy** | * Recognise common uses of information technology outside school * Use technology safely, respectfully and responsibly. * Recognise acceptable / unacceptable behaviour | * Use technology safely, respectfully and responsibly. * Recognise acceptable / unacceptable behaviour. * Identify a range of ways of reporting concerns about contact and content | * Use technology safely, respectfully and responsibly. * Recognise acceptable / unacceptable behaviour. * Identify a range of ways of reporting concerns about contact and content * Understand the opportunities networks offer for communication and collaboration | * Use technology safely, respectfully and responsibly. * Recognise acceptable / unacceptable behaviour. * Identify a range of ways of reporting concerns about contact and content * Understand the opportunities networks offer for communication and collaboration * Be discerning in evaluating digital content |
| **Information Technology** | * Use technology purposefully to create, organise, store, manipulate and retrieve digital content | * Use search technologies effectively * Use and combine a range of software on a range of digital devices | * Use search technologies effectively * Select, use and combine a range of software on a range of digital devices. * Create a range of programs, systems and content that accomplish given goals * Collect and present data and information | * Use search technologies effectively * Select, use and combine a range of software on a range of digital devices. * Create a range of programs, systems and content that accomplish given goals * Collect, analyse, evaluate and present data and information |
| **Computer science** | * Understand what algorithms are and how they are implemented on digital devices * Use logical reasoning to predict the behaviour of simple programs | * Use logical reasoning to explain how some simple algorithms work and correct errors * Debug programs that accomplish specific goals * Use sequence and repetition in programs * Appreciate how search results are selected and ranked * Understand computer networks including the internet and how they can provide multiple services | * Use logical reasoning to explain how some simple algorithms work and correct errors * Write and debug programs that accomplish specific goals including controlling or stimulating physical systems * Solve problems by decomposing them into smaller parts * Use sequence and repetition in programs * Work with variables and various forms of input and output * Understand computer networks including the internet and how they can provide multiple services * Appreciate how search results are selected and ranked | * Use logical reasoning to explain how some simple algorithms work and correct errors * Write and debug programs that accomplish specific goals including controlling or stimulating physical systems * Solve problems by decomposing them into smaller parts * Use sequence and repetition in programs * Work with variables and various forms of input and output * Understand computer networks including the internet and how they can provide multiple services and the opportunities for communication and collaboration * Appreciate how search results are selected and ranked |

Year 3 are mainly following KS1 objectives to fill in gaps in knowledge and understanding to allow them to fully access the KS2 curriculum.