

| KS1       | Computer Science   |                                  |   | Information Technology  | Digital Literacy  |  |
|-----------|--|----------------------------------|---|---|---|--|
|           | 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 programs | use logical reasoning to predict the behaviour of simple programs | use technology purposefully to create, organise, store, manipulate and retrieve digital content | recognise common uses of information technology beyond school | 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. |
| Class 2 A | x  | x                                | x   | x   |   | x  |
| Class 2 B | x  | x                                | x   | x   | x   | x  |

| KS2       | Computer Science   |  |  | Information Technology  | Digital Literacy   |  |   |
|-----------|--|--|--|---|--|--|---|
|           | design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts | use sequence, selection, and repetition in programs; work with variables and various forms of input and output | use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs | 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 | use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content | 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 | use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact |
| Class 3 A | x  | x  | x  | x   |  | x  |   |
| Class 3 B | x  | x  | x  | x   | x  | x  |   |
| Class 4 A | x  | x  | x  | x   |  | x  |   |
| Class 4 B | x  | x  | x  | x   |  | x  |   |