**Y1 Computing**

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|  |  | **Key Skills/concepts** | **Term Taught** | **Topic, ICT package**  **used to deliver the teaching** |
| KS1 Y1 | Computing | Understand what algorithms are; how they are implemented as programs on digital  devices; and that programs execute by following precise and unambiguous instructions. | Spring 2 | Scratch |
| KS1 Y1 | Computing | Create and debug simple programs. | Autumn 1 and Spring 2 | Scratch |
| KS1 Y1 | Computing | Use logical reasoning to predict the behaviour of simple programs. | Autumn 1 and Spring 2 | Beebots, Romas |
| KS1 Y1 | Computing | Use technology purposefully to create, organise, store, manipulate and retrieve digital  content. | Spring 2 and Summer 1 |  |
| KS1 Y1 | Computing | Recognise common uses of information technology beyond school. | Throughout the year |  |
| KS1 Y1 | Computing | 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. | E Safety sessions - Summer 1 |  |

**Y2 Computing**

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|  |  | **Key Skills/concepts** | **Term Taught** | **Topic, ICT package used to deliver the**  **teaching** |
| KS1 Y2 | Computing | Understand what algorithms are; how they are implemented as programs on digital  devices; and that programs execute by following precise and unambiguous instructions. | Summer 2 | Scratch |
| KS1 Y2 | Computing | Create and debug simple programs. | Summer 2 | Scratch |
| KS1 Y2 | Computing | Use logical reasoning to predict the behaviour of simple programs. | Autumn 2 and Summer 2 | Beebots & Ipad beebot |
| KS1 Y2 | Computing | Use technology purposefully to create, organise, store, manipulate and retrieve digital  content. | Spring | iMovie - iPad, word, flour magic,  Powerpoint |
| KS1 Y2 | Computing | Recognise common uses of information technology beyond school. | Ongoing |  |
| KS1 Y2 | Computing | 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. | Summer 1 | E schools and E Safety visit |