Switched on ICT Key Stage 1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year** | **New programme of study for computing** | **Unit** | **Unit title** | **Target skills** | **Suggested software****/ hardware** |
| **Year 1****Ages 5-6** | • 4 use technology purposefully to create, organise, store, manipulate and retrieve digital content• 5 recognise common uses of information technology beyond school | 1.1 | We are celebrating- Creating a card electronically | Research, word processing, graphics | Microsoft PowerPoint / Microsoft Word, /Clicker 5 |
| • 1 understand what algorithms are; how they are implementedas programs on digital devices; and that programs execute by following precise and unambiguous instructions• 2 create and debug simple programs• 3 use logical reasoning to predict the behaviour of simple programs | 1.2 | We are treasure hunters- Moving around maps | Control, following instructions | Programmable toys |
| • 4 use technology purposefully to create, organise, store, manipulate and retrieve digital content | 1.3 | We are storytellers - Producing a talking book | Sound recording | Microsoft PowerPoint / Microsoft Photo Story |
| • 4 use technology purposefully to create, organise, store, manipulate and retrieve digital content• 5 recognise common uses of information technology beyond school | 1.4 | We are personal trainers- Get-up-and-go graphs | Data handling, charts and graphs | Simple graphing tool |
| •4 use technology purposefully to create, organise, store, manipulate and retrieve digital content• 5 recognise common uses of information technology beyond school | 1.5 | We are TV chefs - Filming a recipe | Research, video recording | Web browser, Movie maker |
| • 3 use logical reasoning to predict the behaviour of simple programs | 1.6 | We are gardeners - Simulating growth | Simulations | Internet browser |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year 2****Ages 6-7** | • 6 use technology safely and respectfully, keeping personal information private | 2.1 | We are detectives - Communicating clues | Email | Email system |
| • 4 use technology purposefully to create, organise, store, manipulate and retrieve digital content• recognise common uses of information technology beyond school | 2.2 | We are painters - Illustrating eBooks | Research, graphics | Tux Paint, Microsoft Paint,2Simple 2Paint |
| • 4 use technology purposefully to create, organise, store, manipulate and retrieve digital content• 5 recognise common uses of information technology beyond school• 6 use technology safely and respectfully | 2.3 | We are journalists - Publishing a newsletter | Word processing, photography | Word, Publisher, LearningPlatform |
| • 1 understand what algorithms are• 4 use technology purposefully to create, organise, store, manipulate and retrieve digital content• 5 recognise common uses of information technology beyond school | 2.4 | We are time travellers - Animating history | Research , story boarding, animation | Monkeyjam / 2Animate / Movie Maker |
| • 1 understand what algorithms are; how they are implementedas programs on digital devices; and that programs execute by following precise and unambiguous instructions• 2 create and debug simple programs• 3 use logical reasoning to predict the behaviour of simple programs | 2.5 | We are astronauts – Programming on screen | Control, programming | Scratch |
| • use technology purposefully to create, organise, store, manipulate and retrieve digital content• recognise common uses of information technology beyond school | 2.6 | We are zoologists - Bug hunt data | Data collection, data handling, charts and graphs | Excel / 2Simple 2Count / RM Starting Graph |