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| **Subject Yearly Overview 2021-2022** | | | |
| **Subject:**  **ICT Y10** | **TOPIC** | **COMPONENT** | ***Notes:*** *Why are you delivering this topic at this time of year?* |
| **Autumn 1** | **iTQ IT User Skills Level 1/2 :**iTQ Using Emails & Using the Internet | Understand the hardware and software components that make up computer systems, and how they communicate with one another and with other systems |  |
| **Autumn 2** | **iTQ IT User Skills Level 1/2 :** Using Mobile IT Devices & Internet safety for IT users | Understand several key algorithms that reflect computational thinking [for example, algorithms for sorting and searching]; use logical reasoning to compare the utility of alternative algorithms for the same problem |  |
| **Spring 1** | **iTQ IT User Skills Level 1/2 :** Presentation | Understand several key algorithms that reflect computational thinking [for example, algorithms for sorting and searching]; use logical reasoning to compare the utility of alternative algorithms for the same problem |  |
| **Spring 2** | **iTQ IT User Skills Level 1/2 :** Spreadsheets | Understand how instructions are stored and executed within a computer system; understand how data of various types (including text, sounds and pictures) can be represented and manipulated digitally, in the form of binary digits |  |
| **Summer 1** | **iTQ IT User Skills Level 1/2 :**  **iTQ IT User Skills Level 1/2 : Desktop Publisher)** | Use two or more programming languages, at least one of which is textual, to solve a variety of computational problems; make appropriate use of data structures [for example, lists, tables or arrays]; design and develop modular programs that use procedures or functions |  |
| **Summer 2** | **iTQ IT User Skills Level 1/2 :** Desktop Publisher | Understand a range of ways to use technology safely, respectfully, responsibly and securely, including protecting their online identity and privacy; recognise inappropriate content, contact and conduct and know how to report concerns |  |