**Revision plan for M22**

**Subject: Computer Science**

**Level: High level**

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| **№** | **Month** | **Week** | **Lesson #** | **Topic** | **Learning outcomes (SMART)** |
| **1** | **March** | **1** | **1-4** | **Networks** | **Students will explain why the speed of data transmission across a network can vary.** |
| **2** | **March** | **2** | **1-4** | **Control Systems** | **Students will describe the role of feedback in a control system** |
| **3** | **March** | **3** | **1-4** | **Resource management** | **Students will discuss the advantages of producing a dedicated operating system for a device** |
| **4** | **April** | **4** | **1-4** | **Programming** | **Students will construct algorithms using loops, branching**  **Describe the characteristics and applications of a collection**  **Construct algorithms using the access methods of a collection**  **Discuss the need for sub-programmes and collections within programmed solutions**  **Construct algorithms using predefined sub-programmes, one-dimensional arrays and/or collections** |
| **5** | **April** | **5** | **1-4** |
| **6** | **April** | **6** | **1-4** | **Abstract data structures** | **Students will escribe the characteristics of a two-dimensional array**  **Describe the features and characteristics of a dynamic data structure**  **Describe how trees operate logically (both binary and non-binary)**  **Define the term dynamic data structure** |
| **7** | **April** | **7** | **1-4** |