**Foundation subject: Computing Year 1**

EP1. **Algorithms and Programs**

All pupils must know what algorithms are

EP2. **Creating and Debugging Simple Programs**

All pupils must know how to create and debug simple programs

EP3. **Using Technology Purposefully**

All pupils must know how to use technology purposefully

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| **Units of work** | **End Point 1**  **Algorithms** | | | | **End Point 2**  **Designing** | | | | **End Point 3**  **Setting goals** | | | | |
|  | **1.0** | **1.1** | **1.2** | **1.3** | **2.0** | **2.1** | **2.2** | **2.3** | **3.0** | **3.1** | **3.2** | **3.3** |
| **Getting started** |  |  |  |  |  |  |  |  | **√** | **√** | **√** | **√** |
| **Programming** | **√** | **√** | **√** |  | **√** | **√** | **√** |  | **√** | **√** |  |  |
| **Algorithms unplugged** | **√** | **√** | **√** | **√** | **√** | **√** | **√** | **√** |  |  |  |  |
| **Digital imagery** | **√** |  |  | **√** |  |  |  |  | **√** | **√** | **√** | **√** |
| **Intro to data** |  |  |  |  |  |  |  |  | **√** | **√** | **√** |  |
| **Rocket to the moon** | **√** | **√** | **√** |  |  |  |  |  | **√** | **√** |  |  |
| **Online Safety** |  |  |  |  |  |  |  |  | **√** |  | **√** | **√** |

EP1. **ALGORITHMS AND PROGRAMS**

All pupils must know what algorithms are and how they are used

**SHOULD KNOW** – ADDITIONAL **END POINTS**

1.1) Most pupils should know how algorithms are implemented as programs on digital devices

1.2) Most pupils should know that programs work by following precise and unambiguous instructions

1.3) Most pupils should know how to use logical reasoning to predict the behaviour of simple programs

EP2. **CREATING & DEBUGGING SIMPLE PROGRAMS**

All pupils must know how to simple programs work

**SHOULD KNOW** – ADDITIONAL **END POINTS**

2.1) Most pupils should know how to use logical reasoning to create simple programs

2.2) Most pupilsshould know how to use logical reasoning to debug simple programs

2.3)Most pupilsshould know how computers and their programs are used in everyday life

EP3. **USING TECHNOLOGY PURPOSEFULLY**

All pupils must know how technology is used purposefully in school and beyond

**SHOULD KNOW** – ADDITIONAL **END POINTS**

3.1) Most pupils should know how to use technology purposefully to create, organize, store, manipulate and retrieve content

3.2) Most pupils should know how to recognise common uses of information technology beyond school

3.3) Most pupils should know where to go for help and support when they have concerns about content or contact on the internet or other online technologies.