Long Term Planning 2018/19

Subject: Computer Science / IT

Year: 7

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|  | **Term 1** | **Term 2** | **Term 3** | **Term 4** | **Term 5** | **Term 6** |
| **Units**  | **Staying safe online**  | **Building a computer** | **Computational thinking** | **Computer modelling** | **Programming Micro:bits** | **Computer theory** |
| **Main Area of Learning**  | **1.1 Windows 10****1.2 Office 365****1.3 e-Safety** | **2.1 Building a computer;****2.2 Input and output devices****2.3 Computer components** **2.4 Hardware and software** | **3.1 Introduction to computational thinking;****3.2 Making algorithms** | **4.1 What is computer modelling** | **5.1 Algorithms and Micro:bits**  | **6.1 The impact of ICT on society;** **6.2 How ICT has changed communication and collaboration;****6.3 ICT; the law and ethics.** |
| **Equipment and Resource** | Lesson PowerPoints, BBC bitesize – Computer science, Kerboodle KahootShow my homeworkComputers. | Lesson PowerPoints, BBC bitesize – Computer science, Kerboodle KahootShow my homeworkComputers. | Lesson PowerPoints, BBC bitesize – Computer science, Kerboodle KahootShow my homeworkComputers. | Lesson PowerPoints, BBC bitesize – Computer science, Kerboodle KahootShow my homeworkComputers. | Lesson PowerPoints, BBC bitesize – Computer science, Kerboodle KahootShow my homeworkComputers. | Lesson PowerPoints, BBC bitesize – Computer science, Kerboodle KahootShow my homeworkComputers. |
| **Assessment Objectives** | 1.41.61.8 | 1.11.21.31.7 | 2.12.4 | 1.82.3 | 2.12.22.32.42.52.6 | 1.8 |

Outline of Assessment Objectives:

AO1; Analyse, discuss limitations, draw conclusions, present data

AO2; Communicate ideas, construct explanations, critique claims, justify opinions

AO3; Collect data, devise questions, plan variables, test hypothesis

A04; Estimate risks, examine consequences, review theories. Interrogate sources

RQ; Required practical