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  Kahoot  Show my homework  Computers. | Lesson PowerPoints,  BBC bitesize – Computer science,  Kerboodle  Kahoot  Show my homework  Computers. | Lesson PowerPoints,  BBC bitesize – Computer science,  Kerboodle  Kahoot  Show my homework  Computers. | | Lesson PowerPoints,  BBC bitesize – Computer science,  Kerboodle  Kahoot  Show my homework  Computers. | Lesson PowerPoints,  BBC bitesize – Computer science,  Kerboodle  Kahoot  Show my homework  Computers. | Lesson PowerPoints,  BBC bitesize – Computer science,  Kerboodle  Kahoot  Show my homework  Computers. |
| **Assessment Objectives** | 1.4  1.6  1.8 | 1.1  1.2  1.3  1.7 | 2.1  2.4 | | 1.8  2.3 | 2.1  2.2  2.3  2.4  2.5  2.6 | 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