|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 | Week 14 | Week 15 |
| Cycle 1 | **W/C 29/08** | **W/C 5/09** | **W/C 12/09** | **W/C 19/09** | **W/C 26/09** | **W/C 3/10** | **W/C 10/10** | **W/C 17/10** | **W/C 31/10** | **W/C 7/100** | **W/C 14/11** | **W/C 21/11** | **W/C 28/11** | **W/C 5/12** | **W/C 12/12** |
| **Term 1**  **Training days 1 &2/09** |  |  |  |  |  |  |  | **Term 2** |  |  | *Data/Planning Day 17 &18th* |  |  | *School Closes 16th* |
|  | **Introduction to Computing – Unit 1**  Logging in and Folders | Office 365  Emails  Teams | Word processing  Touch type  Keyboard shortcuts | Word processing  Formatting  Saving | Word processing  Header footer  Images  Tools | E-safety  Staying safe online  Cyberbullying | Keeping your data safe  Personal data | **Python Next steps**  Python programming using flowcharts | User Interface | **Selection**  - game | Writing own programs using selection- game | Debugging | Consolidation of knowledge | Consolidation of knowledge and review |
| **W/C 2/01** | **W/C 9/01** | **W/C16/01** | **W/C 23/01** | **W/C 30/01** | **W/C 6/02** | **W/C 12/02** | **W/C 27/02** | **W/C 06/03** | **W/C 13/03** | **W/C 20/03** | **W/C 27/03** |  |  |  |
| Cycle 2 | **Term 3**  **School closed 2/1** |  |  |  |  |  |  | **Term 4** | *Data/Planning Day 9th & 10th* |  |  | *School Closes 31st* |  |  |  |
| **Data Representation**  Binary to denary 8 bit | Denary to Binary 8 bit | Hexadecimal | Binary addition 8 bit and overflow | Image | Sound | Consolidation of knowledge and review | **User Interface Design**  User Interfaces | Factors and influences | Audience needs | Design principles | Design Psychology |  |  |  |
| **W/C 17/04** | **W/C 24/04** | **W/C 1/5** | **W/C 8/05** | **W/C 15/05** | **W/C 22/05** | **W/C 5/6** | **W/C 12/6** | **W/C 19/6** | **W/C 26/6** | **W/C 3/7** | **W/C 10/7** | **W/C 17/7** |  |  |
|  | **Term 5** |  | *School closed 1/05* |  |  |  | **Term 6** |  |  |  |  |  | *Data/Planning Day 19 &20th* | *School closed* |  |
| Cycle 3 | **Networks**  Topologies | Hardware of a network | Network threats | Cloud networking | File types | Consolidation of knowledge | **Project Planning**  Project planning techniques | Creating a project plan | Initial design | Developing a user interface | Refining and reviewing a user interface | Consolidation of knowledge |  |  |  |

Year 9 Computing

Long Term Plan 2022/2023