**Curriculum Overview for Computer Science**

**Year 7**

|  |  |  |
| --- | --- | --- |
| **Half Term 5 & 6**  **BBC MicroBit Programming**  **Substantive Knowledge:**  MicroBit programming prepares students for further programming techniques and languages using Python. This prepares students for both GCSE Computer Science and a possible career in Computer Science designing programs for many aspects such as:   * Games design * Programming * Cyber Security * Web design * Back end programming for software and sites   **Disciplinary Knowledge:**   * Creation of a new program * Understanding Input * Understanding Output * Deciding what happens next using selection with conditions * Creating repeating program parts with Loops * Storing data in Variables | Books | Model reading  Reading out loud  Skim and Scan of source information  Decoding terms  Etymology of key terms |
| Speech | Selection  Condition  Variable  Program |
| Checklist RTL | **Formative assessment**  Knowledge checks  Quiz  Practice questions  **Summative assessment**  End of unit assessment |
| Home | Practice questions  Revision tasks  Research tasks |