**Curriculum Overview for Computer Science**

**Year 7**

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| **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 readingReading out loudSkim and Scan of source informationDecoding termsEtymology of key terms |
| Speech | SelectionConditionVariableProgram |
| Checklist RTL | **Formative assessment**Knowledge checksQuizPractice questions**Summative assessment**End of unit assessment |
| Home | Practice questionsRevision tasksResearch tasks |