**KS3 COMPUTING - CURRICULUM PLAN**

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| **Year** | **Autumn Term** | **Spring Term** | **Summer Term** |
| **7** | Using computers safely & effectively:* Internet Safety.
* Internet and Web Browsers.
* Searching the Web.
* Using Microsoft Office.
 | Spreadsheet Modelling:* How to use Excel.
* Summarizing Data.
* Excel Charts.
* Introduction to Databases.
 | Introduction to Coding: * Algorithms.
* Computational Thinking.
* Making games with Scratch.
* Coding languages.
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| **8** | Understanding Computers:* Binary and Memory
* Representing Text and Numbers
* Image Representation
* Sound Representation
* Representing Images
 | Spreadsheet Modelling:* How to use Excel.
* Summarizing Data.
* Excel Charts.
* Introduction to Databases.
 | Coding with Python:* Stings and variables
* Numbers and arithmetic
* Writing algorithms
* While loops and searching
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