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| **Core Knowledge Map** | | | |
| Subject: Computer Science | Year: 8 | | Term: 2.5 |
| What are we learning? | | | |
| Advanced spreadsheets | | | |
| How will I be assessed | | | |
| You will have a checklist to tick off skills as you learn them, and your final spreadsheet will be assessed by your teacher. | | | |
| Big questions: | | | |
| What are the advanced functions of spreadsheet software?  How are spreadsheets used effectively in businesses? | | | |
| How does this build on previous learning? | | How will this link to my future learning? | |
| This builds on the previous spreadsheets topic from year 7, along with some of the other computational thinking concepts from other topics. | | Spreadsheets and the logical and formulaic thinking behind them is a useful skill in many computer science topics and in other careers. | |
| Core knowledge: | | Key vocabulary: | |
| Spreadsheets recap  How to create a computer model   * What is a ‘model’ * How do we make an accurate model * What can we predict using the model   Business modelling   * How is modelling applied to businesses   Using the IF function in Excel   * The IF function will only perform a calculation if the prerequisites are true   Create and use lookup tables   * Simple lookup tables can be used to grade marks for example   Validation of data at entry   * Ensure entered values make sense | | Formula/formulae  Validation  Verification  Condition/conditional  Lookup table  True/false  Prediction  Trend  Chart  Pivot table | |
| Need more help? | | | |
| 1. [How spreadsheets work - Spreadsheets - KS3 ICT Revision - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/zdydmp3/revision/1) | | | |