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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 recapHow 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/formulaeValidation VerificationCondition/conditionalLookup tableTrue/falsePredictionTrendChartPivot table |
| Need more help? |
| 1. [How spreadsheets work - Spreadsheets - KS3 ICT Revision - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/zdydmp3/revision/1)
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