

Core Maths Assessment Revision 2021

Analysis of Data and Fermi Estimation: Week 2 Thursday 29th April (50 mins)

- **Types of Data** -to be able to recognise different types of data; discrete, continuous, qualitative, quantitative, primary, secondary
- **Sampling Method** - for example, random, stratified, cluster quota
- **Stem and Leaf Diagrams** - for example to be able to interpret stem and leaf diagrams, back-to-back stem and leaf diagrams.
- **Cumulative Frequency Curves** - to be able to construct a cumulative frequency curve.
- **Histograms**
- **Fermi Estimation** - to be able to make clear assumptions and show clear methods and calculations

Personal Finance and Critical Analysis : Week 4 Thursday 13th May (50 mins)

- Exchange Rates
- Mortgage rates and APR
- Income Tax
- Misleading Graphs
- Critical Analysis

Graphical Methods : Week 6 Thursday 27th May (50 mins)

- Exponential Graphs
- Velocity-Time Graphs
- Drawing Graphs of a given function
- To be able to complete a table of values for a given function and to draw a graph of the function.
- Interpreting Graphs

Revising maths effectively MUST involve **completing questions** so I would recommend that you do the following for each of the topics.

1. Review the **summary of key points** for each topic using the summary revision sheets.

2. If the key points all seem familiar then complete questions from the **Practise question booklets handed out recently** and look at questions you have done earlier ensuring you mark and correct them, and seek help if necessary. Work through the past papers handed out and use the mark schemes to check your answers, making sure you give full, accurate solutions. If you have got a question wrong, go back over your notes and make sure you understand where you have lost marks.
1. If the key points do NOT seem familiar then either go back over your notes and read through them and review the examples from your handouts.
2. There are some videos out there and you may like to look at these:

<https://www.youtube.com/watch?v=lvhsQThpriw&list=PLg2tfDG3Ww4uF9Fc9imsxcApO29wPxVz>

Best of luck and remember your teachers are there to help so please ask.