## KS3 Learning Journey Core - Year 8 Learning Cycle 4

Please watch the video on www.corbettmaths.com for each topic.

| Topics | Video number |
| :---: | :---: |
| Functions, coordinates and graphs |  |
| Recognise a function written in algebra and work out tables of values. | 186 |
| Plot co-ordinates \& recognise their x and y values. | 84 |
| Solve geometrical problems involving co-ordinates and shape properties. | 85 |
| Plot sets of co-ordinates that follow rules, e.g. $y=5$ and $y=3 x-1$ |  |
| Plot and recognise the graphs of quadratic and cubic graphs. | 264, 344 |
| Plot graphs of exponential growth. | 345 |
| Read values from a graph and use graphs to solve simultaneous equations. | 297 |
| Statistics |  |
| Recognise how surveys and sampling methods can be biased. | 281a |
| Record raw data into frequency tables, including grouped frequency tables. |  |
| Recognise discrete, continuous, qualitative and quantitative data types. | 342, 343 |
| Draw and interpret pictograms, bar charts, pie charts and scatter graphs. | $\begin{gathered} 147,148, \\ 161,162, \\ 163,164, \\ 165 \end{gathered}$ |
| Recognise how graphs can be misleading | 160a |
| Calculate the mean, median, mode and range of a set of listed data. | $\begin{gathered} 50,53,56, \\ 57 \end{gathered}$ |
| Work backwards from knowing an average to working out missing data items. |  |
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