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 $y = 3x - 1$	
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.	147, 148, 161, 162, 163, 164, 165
Recognise how graphs can be misleading	160a
Calculate the mean, median, mode and range of a set of listed data.	50, 53, 56, 57
Work backwards from knowing an average to working out missing data items.	