NORTHAMPTON SCHOOL FOR GIRLS
Respect for Self | Respect for Others | Respect for Learning

Level 3 Core Maths

As you transition from Year 11 to Year 12, it is very important to refresh your memory on certain core mathematical skills. Moreover, it is vital that you have a sound understanding of some more difficult skills. In the tables below, you will find **29 skills** that you should be confident with as you start Year 12. Get 100% on each and use the videos if you are stuck.

If you do not have access to Hegarty Maths the Youtube Playlist can be found on this link.

Number

Topics	Clip Number	R	A	G
Money and Finance				
Compound interest	94			
Depreciation	95			
Percentages				
Percentage change	97			
Worded Percentage problems	98			
Reverse Percentages	96			
Standard Form				
Ordinary Numbers to Standard Form	122			
Standard Form to Ordinary Numbers	123			
Multiplying with Standard Form	125			
Dividing with Standard Form	126			

Shape

Topics	Clip Number	R	A	G
Volume				
Volume of Prisms (1)	570			
Volume of Prisms (2)	571			
Volume of cones	576			
Volume of Spheres	580			
Surface area cuboid	584			
Surface area complex shapes	585			

Data

Topics	Clip Number	R	A	G
Averages				
Mean from Frequency table	417			
Mean from grouped Frequency table	418			
Median from Frequency table	416			
Statistical Diagrams				
Census, Sampling and bias	394			

Random Sampling	**395**			
Scatter Graphs	**453**			
Line of best fit	**454**			
Cumulative frequency (1)	**437**			
Cumulative frequency (2)	**438**			
Cumulative frequency (3)	**439**			
Box Plots	**440**			
Histograms (1)	**442**			
Histograms (2)	**443**			
Histograms (3)	**444**			