

MATHS: Year 11 Foundation Course Outline



Half term	TOPIC	CONTENT	Suggestions for enrichment activities <i>(eg: films, websites, books, museums and activity centres)</i>
1	Estimating and calculating	Know and use order of operations	Nrich.maths.org/5958
	More equations	Expand brackets and solve linear equations	Nrich.maths.org/4889
	Constructions and Loci	Construct triangles, bisectors and find loci	Nrich.maths.org/8098
OCTOBER HALF TERM HOLIDAY			
2	Fraction and percentage calculations	Calculate percentage increase and decrease	Nrich.maths.org/564
	Perimeter, area and volume	Surface area of simple shapes and volume of right prisms	Nrich.maths.org/639
	Graphical solution	Plot straight line graphs	Nrich.maths.org/7502
CHRISTMAS HOLIDAYS			
3	Ratio and Proportion	Solve simple problems involving ratio	Nrich.maths.org/4793
	Enlargement and Similarity	Use maps and scale drawings	Nrich.maths.org/5461
FEBRUARY HALF TERM HOLIDAY			
4	Listing outcomes	Understand and use the probability scale	Nrich.maths.org/7238
	Real life graphs	Work out the average speed from a distance time graph	Nrich.maths.org/8301
	Polygons and Pythagoras	Understand, recall and use Pythagoras' theorem	Nrich.maths.org/2658
EASTER HOLIDAYS			
5	Revision		