

MATHS: Year 7 Stage 7

Course Outline



Half term	TOPIC	CONTENT	Suggestions for enrichment activities (eg: films, websites, books, museums and activity centres)
1	Numbers and the number system	Factors and multiples, investigating primes, exploring negative numbers	http://nrich.maths.org/5448
	Calculating	Develop mental and written calculation methods, BIDMAS, solve problems using all operations	http://nrich.maths.org/6928
OCTOBER HALF TERM HOLIDAY			
2	Calculating: Division	Develop written methods for division, using remainders in division, solving problems using all operations	http://nrich.maths.org/5400
	Visualising and constructing	Construct 2D shapes Investigate 3D shapes	http://nrich.maths.org/8294
	Investigating properties of shapes	Properties of 2D shapes Angles in polygons Use vocab of circles	http://nrich.maths.org/1962
	Algebraic proficiency: using formulae	Create and use simple formulae; using both words and algebra	
CHRISTMAS HOLIDAYS			
3	Exploring fractions, decimals and percentages	Equivalence of fractions Equivalence of fractions decimals and percentages	http://nrich.maths.org/8283
	Proportional reasoning	Solve problems using scaling Explore enlargements Solve problems involving groups and sharing	http://nrich.maths.org/1026
	Pattern sniffing	Explore number sequences	http://nrich.maths.org/6863
	Measuring space	Solve problems involving measurement Use different units of measure	http://nrich.maths.org/7500
FEBRUARY HALF TERM HOLIDAY			
4	Investigating angles	Develop knowledge of angles Apply facts to deduce unknown angles	http://nrich.maths.org/2844
	Calculating fractions, decimals and percentages	Use fractions, decimals and percentages to solve problems	http://nrich.maths.org/5467
EASTER HOLIDAYS			
5	Solving equations and inequalities	Understand and use algebra Solve missing number problems	http://nrich.maths.org/1117
	Calculating space	Area and volume Solve problems involving area and volume	http://nrich.maths.org/89
	Checking, approximating and estimating	Approximating numbers Exploring ways of checking numbers	http://nrich.maths.org/5633
MAY HALF TERM HOLIDAY			
6	Mathematical movement	Use Cartesian coordinates Transformations	http://nrich.maths.org/6288
	Presentation of data	Construct and interpret Pie charts	http://nrich.maths.org/4937
	Measuring data	Understand and use the mean	http://nrich.maths.org/7553
	Assessments	Year 7 end of year test	My maths revision booster packs