

Subject:

Mathematics



HECKMONDWIKE
GRAMMAR SCHOOL

KS3 - Year 7 Curriculum Overview

	Topics being taught	What you will be assessed on	How you can support at home
Autumn Term	Number Operations - Addition, Subtraction, Multiplication and Division of Decimals - Negative Numbers - Order of Operations - Effective use of a Calculator Geometry - Properties of Shape - Angle Properties - Coordinates Algebraic Notation - Indices, Powers and Roots - Prime factors - Dealing with Algebraic Expressions	Term 1 Topic Test on Number Topic Test on Geometry	Check your child has their name on their scientific calculator and make sure they have it packed in their bag each day. Ask your child to show you how the website <i>DrFrost</i> has homework set up for them.
		Term 2 Synoptic Test on Number and Geometry Topic Test on Algebraic Notation	Encourage your child to show their working in their maths book. Keep up with mental arithmetic skills, especially multiplication and division facts

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Spring Term	Equations - Setting up and solving linear equations -Function Machines -Change subject of a formula Application of Number -Rounding and Approximation -Solving Real life number problems Fractions, Decimals & Percentages -Calculations with fractions -Problems involving % and % change 3-Dimensional Shapes -Nets and Constructions -Area and Volume -Metric and Imperial Units -Plans and Elevations	Term 3 Topic Test on Equations Topic Test on Fractions, Decimals & Percentages	Ask your child to show you what independent revision they can do on website <i>MyMaths</i> . Explore enrichment in maths through maths puzzles and games on the nrich https://nrich.maths.org/
		Term 4 Topic Test on Application of Number Synoptic Test on everything up to Fractions, Decimals & Percentages	Best revision in maths is to do maths https://corbettmaths.com/5-a-day/gcse/ Help your child with ideas for designing an Easter Egg Box

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Summer Term	Probability - Theoretical and Experimental Probability Ratio and Proportion - Solve problems involving ratio and proportion Sequences -Linear sequences -Equations of lines Statistics -The handling data cycle -Calculations of Averages -Statistical diagrams -Correlation	Term 5 Topic Test on 3-D Shapes Topic Test on Probability Topic Test on Ratio & Proportion	Ask your child to explain what bar modelling is Encourage your child to have clear presentation of solutions in their books.
		Term 6 Synoptic Tests on everything up to Sequences	Encourage your child to revise for maths using websites such as <i>DrFrost</i> and Corbett Maths for practice. Explore enrichment through maths challenges: https://www.ukmt.org.uk/competitions/solo/juni-or-mathematical-challenge/archive