

Subject:

Mathematics



HECKMONDWIKE
GRAMMAR SCHOOL

KS3 - Year 8 Curriculum Overview

	Topics being taught	What you will be assessed on	How you can support at home
Autumn Term	Indices <ul style="list-style-type: none">- Prime factorisation- Rules of Indices Number Operations <ul style="list-style-type: none">- Solve worded number problems- Use standard Form Geometry <ul style="list-style-type: none">- Angles in polygons- Constructions- Bearings Algebraic Expressions Area and Volume <ul style="list-style-type: none">- include circles and sectors	Term 1 Topic tests on each topic	Ask your child about their <i>DrFrost</i> Homework they get each week
	Term 2 Synoptic test on everything up to and including Geometry	Ask your child to show you how to use a pair of compasses for constructions	
		Ask your child to explain where π comes from	

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	Topics being taught	What you will be assessed on	How you can support at home
Spring Term	Pythagoras' Theorem Fractions, Decimals and Percentages <ul style="list-style-type: none">- to include original value problems Coordinate Geometry <ul style="list-style-type: none">- understand $y = mx + c$- linear graphs in real-life Statistics <ul style="list-style-type: none">- calculating averages in a frequency table- range and IQR- scatter diagrams Equations <ul style="list-style-type: none">- form and solve linear equations- change the subject of a formula	Term 3 Topic tests on each topic	Encourage your child to show clear working in solving problems
	Term 4 Synoptic test on everything up to and including Coordinate Geometry	Use websites such as Corbett Maths, <i>MyMaths</i> and <i>DrFrost</i> to revise for tests	
		Watch together a maths video: https://www.numberphile.com/	

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	Topics being taught	What you will be assessed on	How you can support at home
Summer Term	Transformations <ul style="list-style-type: none">- Rotations, Translations, Reflections, Enlargement Proportional Reasoning <ul style="list-style-type: none">- ratio and proportion- direct proportion- scale drawings Equations and Inequalities <ul style="list-style-type: none">- simultaneous equations- inequalities Probability <ul style="list-style-type: none">- Sample space diagrams- Venn diagrams	Term 5 Topic tests on each topic	Use Corbettmaths: 5-a-day, Videos and Worksheets for revision: https://corbettmaths.com/
	Term 6 Synoptic test on everything up to and including Proportional Reasoning	Review Homework tasks on <i>DrFrost</i> with your child	
		Review Topic tests to identify common errors made	