Subject:

Mathematics



KS4-Year 9 Curriculum Overview



CHRISTMAS HOLIDAYS - CHRISTMAS HOLIDAYS - CHRISTMAS HOLIDAYS - CHRISTMAS HOLIDAYS

Topics being taught

Indices and Surds

- Standard Form
- Negative and Fractional Indices

What you will be assessed on

Topic tests on each topic

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How you can support at home

Remind your child to show all steps of working in maths problems

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Autumn Term

- Manipulation with surds Statistics
- Grouped frequency
- Cumulative Frequency
- Box plots
- **Equations and Inequalities**
- Graphical and algebraic methods
- Simultaneous Equations

Probability

- Frequency trees
- Tree Diagrams



Topic tests on each topic

Discuss misleading statistics you see in news articles

Use the reflections sheets from previous Milestones to revise key topics you have identified.

Watch a YouTube Maths video by Hannah Fry or Marcus du Sautoy

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	Topics being taught		What you will be assessed on		How you can support at home
0	 Transformations Congruency Similarity Trigonometry Pythagoras' Theorem Trigonometric ratios Functions Simplifying algebraic expressions Quadratic expressions Solve quadratic equations by factorising Change subject of a formula Graphs of quadratic functions Solve equations using trial and improvement 	Term 5 Term 6	Topic tests on each topic		Ask your child about the homework in their blue books and the reflection comments they are writing in green pen.
					Encourage your child to have a first go at a Higher Maths GCSE paper and see how many questions they can do
ł			Synoptic test on everything up to Trigonometry		Ask your child to explain what Trigonometry is.
					For Maths enrichment, do an intermediate UKMT challenge: <u>https://www.ukmt.org.uk/</u>