

24th May 2024

Y10 End of Year Assessments -Higher

Dear Parents/Carers,

This letter is to make you aware that when we return back after the half term break your child will be completing an assessment in Maths. These assessments are important as they will be used to generate your child's end of year 10 performance grade.

These assessments help us understand whether good progress is being made by your child, and it also helps us to identify your child's individual strengths and weaknesses.

In order to help students prepare for these assessments, we are sharing in advance the list of topics that they will be tested on. These can be found on the next page. Please share this information with your child and encourage them to revise. We recommend the following strategies as they are known to be beneficial even once they begin their GCSEs:

- Work in a quiet, clear space
- Avoid distractions such as mobile phones
- Create flash cards and mind maps
- Use a revision timetable which outlines the subjects they should practise each day

If you have any further questions, please email your child's Math teacher and they will endeavour to answer your query as soon as possible.

Yours faithfully,

Mrs Awofeso
Head of Maths

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Headteacher: Mrs Alex O'Donnell
Company Registration Number: 7348231



Paper 1 Foundation - Non Calculator

Topic	Skill (Green Aiming for 1, Amber Aiming for 2-3, Red Aiming for 4-5)	Revision video
Algebra	Coordinates in all four quadrants	https://www.mathsgenie.co.uk/coordinates.html
Algebra	Solve 1 step equations	https://www.mathsgenie.co.uk/solving-one-step-equations.html
Geometry and Measure	Angle facts	https://www.mathsgenie.co.uk/angles.html
Geometry and Measure	Parts of a circle	https://corbettmaths.com/2013/12/21/parts-of-the-circle-video-61/
Geometry and Measure	Types of angles	https://corbettmaths.com/2012/08/10/types-of-angle/
Number	Calculating with negatives	https://www.mathsgenie.co.uk/negativenumbers.html
Number	Order decimals	https://corbettmaths.com/2012/08/10/ordering-decimals-video/
Number	Primes, factors, multiples	https://www.mathsgenie.co.uk/factors-multiples-and-primes.html
Ratio	Conversion between fractions, decimals and percentages	https://www.mathsgenie.co.uk/FDP.html
Ratio	Fractions of shapes	https://corbettmaths.com/2013/02/15/fractions-shapes/
Algebra	Factorise expressions	https://corbettmaths.com/2013/02/06/factorisation/
Algebra	Midpoint of a line	https://corbettmaths.com/2013/04/15/midpoint-of-a-line/
Algebra	Simplifying expressions	https://www.mathsgenie.co.uk/simplifyingalgebra.html
Algebra	The nth term of a sequence	https://www.mathsgenie.co.uk/sequences.html
Algebra	Writing expressions and formulae	https://corbettmaths.com/2013/03/12/forming-algebraic-notation/
Geometry and Measure	Surface area of a prism	https://www.mathsgenie.co.uk/surfacearea.html
Geometry and Measure	Volume of a prism	https://www.mathsgenie.co.uk/volume.html
Number	Approximation and estimation	https://www.mathsgenie.co.uk/estimating.html
Number	Calculate exactly with fractions and mixed numbers	https://www.mathsgenie.co.uk/fractions.html
Number	Dividing decimals	https://corbettmaths.com/2013/02/15/division-by-decimals/

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Number	Index Laws	https://www.mathsgenie.co.uk/indices.html
Number	Money problems	https://corbettmaths.com/2023/08/04/greatest-number-money-video/
Ratio	Percentages	https://corbettmaths.com/2012/08/20/percentages-of-amounts-non-calculator/
Ratio	Proportion recipe problems	https://corbettmaths.com/2013/05/16/recipes/
Ratio	Ratios and fractions	https://www.mathsgenie.co.uk/ratio-fraction-or-linear-function.html
Statistics	Frequency polygons	https://www.mathsgenie.co.uk/frequency-polygons.html
Statistics	Measures of central tendency (median, mean, mode and modal class)	https://www.mathsgenie.co.uk/averages.html
Statistics	Scatter graphs	https://www.mathsgenie.co.uk/scatter-graphs.html
Algebra	Graphical simultaneous equations	https://www.mathsgenie.co.uk/simultaneous-graphically.html
Geometry and Measure	Exact values of $\sin \theta$ and $\cos \theta$ and $\tan \theta$	https://www.mathsgenie.co.uk/exact-trig-values.html
Probability	Probability tree diagrams	https://www.mathsgenie.co.uk/probability-trees.html
Probability	Venn diagrams	https://www.mathsgenie.co.uk/venn-diagrams.html
Ratio	Pressure	https://corbettmaths.com/2016/07/28/pressure/
Ratio	Reverse percentages	https://www.mathsgenie.co.uk/reverse-percentages.html

Paper 2 Foundation - Calculator

Topic	Skill (Green Aiming for 1, Amber Aiming for 2-3, Red Aiming for 4-5)	Revision video
Algebra	Collecting like terms	https://www.mathsgenie.co.uk/simplifyingalgebra.php
Geometry and Measure	Metric units	https://www.mathsgenie.co.uk/conversions-and-units.php
Geometry and Measure	Area and Perimeter	https://www.mathsgenie.co.uk/area-perimeter.php
Geometry and Measure	Properties of quadrilaterals	https://corbettmaths.com/2013/12/21/names-of-quadrilaterals-video-2/
Geometry and Measure	Properties of 3D shapes	https://corbettmaths.com/2013/12/23/names-of-3d-shapes-vid-3/
Geometry and Measure	Problem solving - Time	https://www.mathsgenie.co.uk/time.php

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Number	Conversion between fractions, decimals and percentages	https://www.mathsgenie.co.uk/FDP.php
Number	Order directed numbers	https://corbellmaths.com/2013/06/06/ordering-numbers-including-negatives/
Probability	Probability	https://www.mathsgenie.co.uk/probability.php
Statistics	Averages	https://www.mathsgenie.co.uk/averages.php
Statistics	Bar charts	https://www.mathsgenie.co.uk/bar-charts.php
Algebra	Solving 1 step equations	https://www.mathsgenie.co.uk/solving-one-step-equations.php
Geometry and Measure	Distance-time graphs	https://www.mathsgenie.co.uk/real-graphs.php
Geometry and Measure	Transformations	https://www.mathsgenie.co.uk/transformations.php
Geometry and Measure	Bearings	https://www.mathsgenie.co.uk/bearings.php
Number	Best Buys	https://www.mathsgenie.co.uk/best-buys.php
Number	HCF and LCM	https://www.mathsgenie.co.uk/HCF_LCM.php
Ratio and proportion	Ratio problems	https://www.mathsgenie.co.uk/writing-simplifying-ratio.php
Statistics	Pie charts	https://www.mathsgenie.co.uk/pie-charts.php
Algebra	Solve linear equations including brackets	https://www.mathsgenie.co.uk/solving-equations.php
Algebra	Index laws	https://www.mathsgenie.co.uk/indices.php
Algebra	Roots, intercepts, turning points of quadratic functions	https://www.mathsgenie.co.uk/quadratic-graphs.php
Geometry and Measure	Angles and parallel lines	https://www.mathsgenie.co.uk/angles-parallel.php
Geometry and Measure	Density	https://www.mathsgenie.co.uk/speed-and-density.php
Number	Problems involving percentage change	https://www.mathsgenie.co.uk/percentage-change.php
Number	Standard form	https://www.mathsgenie.co.uk/standard-form.php
Ratio and proportion	Solve problems involving direct and inverse proportion	https://www.mathsgenie.co.uk/proportion.php

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