



Ramsey Grammar School

Scoill Ghrammeydys Rhumsaa

Invest, Believe, Achieve Together

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Headteacher

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Dear Parent/Carer

Year 11 Maths

I am writing to inform you Year 11 have their first Maths assessment of this academic year shortly. This assessment covers all topics taught since the start of September (please find the revision lists on the reverse of this letter).

Students will sit their assessment in class during their usual lesson on **Wednesday 22nd October 2025** (P4: 11:55 – 12:45). Any students who require different arrangements to ensure they can access the assessment will be accommodated for.

Please can I ask that you ensure your child has the following equipment with them:

- Pen
- Pencil
- Ruler
- Rubber
- Calculator

This is a calculator paper, therefore students must have a calculator with them. It is vital they are bringing their calculator to every lesson to ensure they know how to use their own one.

Kind regards

Emma Nicholson
KS4 Mathematics Coordinator

Higher	Intermediate
- Finding coordinates of; midpoint and missing vertex. - Similar Shapes 2D and 3D - Length - Area - Volume - Transformations - Rotation - Reflection - Translation - Enlargements (including negative and fractional). 2D and 3D Pythagoras. - Trigonometry 2D and 3D - missing side or angle for a right-angled triangle. - Sine and Cosine Rule. - Trig area of a triangle ($\frac{1}{2}ab\sin C$) - Trigonometric graphs - Conversions (km-miles; cm, m - inches, feet; kg - lbs; litres - pints, gallons) - Must know: 8km - 5 miles, 1kg - 2.2lbs, 1 litre - 1.75 pints. - Circle Theorems. - Including proofs.	- Finding coordinates of; midpoint and missing vertex. - Similar Shapes 2D and 3D (Length only). - Transformations - Rotation - Reflection - Translation - Enlargements (including fractional). 2D Pythagoras. 2D Trigonometry - missing side or angle for a right-angled triangle. - Circle Theorems (excluding alternate segment theorem). - Compound measures; speed, density and population density. - Speed, distance, time calculations. - Metric units of length, capacity and mass. 12- and 24-hour clocks. - Conversions (km-miles; cm, m - inches, feet; kg - lbs; litres - pints, gallons) Need to know 8km - 5 miles, 1kg - 2.2lbs, 1 litre - 1.75 pints. - Area and perimeter: square, rectangle, triangle, parallelogram and trapezium. - Area of a circle.