Newton Road
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M41 5UG

Email: office@urmstongrammar.org.uk
Website: www.urmstongrammar.org.uk
Headteacher: Mr T Kennedy-Fowler

Urmston Grammar School

Dear Parents/ Guardians,

We are writing to inform you about the upcoming Mathematics and Further Mathematics November Mock Assessments which are part of the Y13 Mock assessments 23rd October – 6th November.

Mathematics will have 2 exam papers. The pure paper will be 2 hours long. The applied paper is 1 hour long.

Further Mathematics is made up of 2 papers, Paper 1 is Core Pure, 90 minutes. Paper 2 content is Statistics and Mechanics, 90 minutes. Students have been informed via Satchel One.

Please find the revision lists at the end of this letter.

To assist students with their revision, they have access to the following online platforms:

- Active Learn
- UpLearn (Mathematics only)
- DFM
- Physics Maths Tutor
- ExamSolutions.net
- Bicen Maths (YouTube)
- MathsGenie

Revision lessons will be being provided, plus students will receive 6 weekly revision booklets.

For extra support, we also run a Maths Clinic every Tuesday during lunchtime from 1:15 pm to 1:40 pm in M3. This is a great opportunity for Year 13 mathematicians to ask questions and receive help with any challenging topics.

Thank you for your continued support.

Kind Regards,

Mrs Kelly

Head of Mathematics
Urmston Grammar School

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Mathematics Revision List

Y12 Teacher 1	Chpt
Skills Test Revision and Test	
Straight Line Graphs	5
Graphs and Transformations	4
Circles	6
Algebraic Methods	7
Binomial Expansion	8
Y13 Binomial Expansion plus 1D and 1E	4
Exponentials and Logarithms	14
Probability	5
Y13 Conditional Probability	2
Statistical Distributions	6
Hypothesis Testing	7
Large data set	
Data Collection	1
Measures of Location and Spread	2
Representations of Data	3
Correlation	4

Y12 Teacher 2	Chpt
Differentiation	12
Integration	13
Trigonometric Ratios	9
Trig. Identities and Equations	10
Vectors	11
Y13 Vectors	12
Modelling Mechanics	8
Constant Acceleration	9
Forces and Motion	10
Variable Acceleration	11
Y13 Forces and Friction	5
Y13 Projectiles	6
Radians	5
Trigonometric Functions	6

Y13 Teacher 1	
Algebraic Methods (Yr 2) minus 1D 1E	1
Sequences and Series	3
~~Functions and Graphs~~	~~2~~
~~Parametric Equations~~	~~8~~
~~Numerical Methods~~	~~10~~
~~Regression, Correlation and Hypothesis Testing~~	~~1~~
~~The Normal Distribution~~	~~3~~

Y13 Teacher 2	
Finish Trigonometric Functions	6
Trigonometry and Modelling	7
~~Differentiation~~	~~9~~
~~Integration~~	~~11~~
~~Moments~~	~~4~~
~~Applications of Forces~~	~~7~~
~~Further Kinematics~~	~~8~~

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Further Maths Revision List

Y12 Teacher 1 CLH 4	Ch
Starter Activity Radians	
Argand Diagrams	2
Proof	8
Discrete Random Variables	1
Poisson Distribution	2
Geometric and Neg Binomial Distributions	3
Hypothesis Testing	4
Chi Squared	6
Y12 Teacher 2 GEK 4	Ch
Complex Numbers	1
Roots of Polynomials	4
Series	3
Momentum and Impulse	1
Further Collisions	4
Work Energy Power	2
Y2 Differentiation	9
Y2 FM Series - Method of differences	2
Y2 FM Complex Numbers 1.1-1.4	1
Y12 Teacher 3 RP 2	Ch
Matrices	6
Linear Transformations	7
Vectors	9
Volumes of Revolution	5

Teacher 1 CLH 3	Ch
Probability Generating Functions	7
Central Limit Theorem	5
~~Quality of Tests~~	~~8~~
~~Polar Coordinates~~	~~5~~
Teacher 2 GEK 4	Ch
Y2 Normal Distribution	3
Complex Numbers	1
~~Hyperbolic Functions 6A-D~~	~~6~~
~~Methods in Calculus~~	~~3~~
~~Hyperbolic Functions 6E -~~	~~6~~
~~Volumes of Revolution~~	~~4~~
Teacher 3 RP 2	Ch
Y2 FM Series - Method of differences	
Elastic strings and springs	3
~~Elastic Collisions in 2D~~	~~5~~
~~Differential Equations~~	~~7~~
~~Modelling with Differential Eq~~	~~8~~