

KS3/ KS4 Mathematics Medium Term Plan



HT1 KS3

Students will cover some key concepts in the number, algebra, geometry and statistics strands of Maths. All these concepts are fundamentals with regards to the KS3 National Curriculum and where possible, relevant extension topics have also been added to ensure all students are stretched and challenged in lessons.

Week	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5
1	PREP WEEK				
2	Baseline assessment	Baseline assessment	1. Positive and negative integers and decimals.	1. Percentages into decimals	1. Percentages into fractions
3	1. Decimals to fractions (including to percentages where appropriate)	1. FDP equivalences	1. Ordering FDPs	2. Rounding to 10, 100, 1000s and integers. Ext: Upper and Lower Bounds	2. Rounding to decimal places. Ext: Upper and Lower Bounds
4	2. Rounding to significant figures. Ext: Estimating	Catch up	Catch up	3. Coordinates.	4. Squares and Cubes
5	4. Powers & Roots	4. BIDMAS	5. Collecting like terms	5. Simplifying expressions (x and divide)	5. Substitution.
6	5. Expanding single brackets. Ext: Expand double brackets.	5. Solving equations. Ext: Unknowns both sides.	5. Solving equations. Ext: Unknowns both sides.	Catch up	Interim Assessment
7	6. Add and subtract negative numbers.	6. Multiply and divide negative numbers. Ext: BIDMAS more challenging	7. Perimeter of rectilinear shapes	7. Perimeter of rectilinear shapes	Catch up
8	8. Factors	8. Prime factors	Catch up	Summative Assessment	Summative Assessment

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HT1 KS4

Students will cover some key concepts in the number, algebra, geometry and statistics strands of Maths. All these concepts are fundamentals with regards to the KS4 National Curriculum and GCSE foundation content and where possible, relevant extension topics have also been added to ensure all students are stretched and challenged in lessons.

Week	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5
1	PREP WEEK				
2	Baseline assessment	Baseline assessment	1. Positive and negative integers and decimals.	1. Percentages into decimals	1. Percentages into fractions
3	1. Decimals to fractions (including to percentages where appropriate)	1. FDP equivalences	1. Ordering FDPs	2. Rounding to 10, 100, 1000s and integers. Ext: Upper and Lower Bounds	2. Rounding to decimal places. Ext: Upper and Lower Bounds
4	2. Rounding to significant figures. Ext: Estimating	Catch up	Catch up	3. Coordinates.	4. Squares and Cubes
5	4. Powers & Roots	4. BIDMAS	5. Collecting like terms	5. Simplifying expressions (x and divide)	5. Substitution.
6	5. Expanding single brackets. Ext: Expand double brackets.	5. Solving equations. Ext: Unknowns both sides.	5. Solving equations. Ext: Unknowns both sides.	Catch up	Interim Assessment
7	6. Add and subtract negative numbers.	6. Multiply and divide negative numbers. Ext: BIDMAS more challenging	7. Perimeter of rectilinear shapes	7. Perimeter of rectilinear shapes	7. Circumference
8	8. Factors	8. Prime factors Ext: HCF in Venn	Catch up	Interim Assessment	Interim Assessment

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HT2 KS3

Students will cover some key concepts in the number, algebra, geometry and statistics strands of Maths. All these concepts are fundamentals with regards to the KS3 National Curriculum and where possible, relevant extension topics have also been added to ensure all students are stretched and challenged in lessons.

Week	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5
1	9. Area of rectangles and parallelograms	9. Area of triangles	9. Area of trapeziums	9. Area of rectilinear shapes	Catch up
2	Catch up	10. Multiples & LCM	10. Multiples & LCM	11. Mode from list and table.	11. Median from list and table.
3	11. Mean from list.	11. Mean from frequency table	11. Mean from frequency table.	Catch up	Catch up
4	12. Range from list and table	12. MMMR. Ext: comparing data sets.	12. MMMR. Ext: comparing data sets.	Interim Assessment	Interim Assessment
5	Four Operations Basics	Four Operations Basics	Four Operations Basics	Time	Time
6	Revision	Revision	Revision	Revision	Revision
7	Revision	Revision	Summative Assessment	Summative Assessment	

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HT2 KS4

Students will cover some key concepts in the number, algebra, geometry and statistics strands of Maths. All these concepts are fundamentals with regards to the KS4 National Curriculum and GCSE foundation content and where possible, relevant extension topics have also been added to ensure all students are stretched and challenged in lessons.

Week	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5
1	9. Area of rectangles and parallelograms	9. Area of triangles	9. Area of trapeziums	9. Area of rectilinear shapes	9. Area of a circle. Ext: Area of a sector
2	9. Area of a circle. Ext: Area of a sector	10. Prime factors & LCM	10. Prime factors & LCM	11. Mode and median from list	11. Mode and median from a table.
3	11. Mean from frequency table	11. Mean from frequency table. Ext: Including grouped frequency.	Catch up	Catch up	Catch up
4	12. Range from list and table	12. MMR. Ext: comparing data sets.	12. MMR. Ext: comparing data sets.	Interim Assessment	Interim Assessment
5	GCSE Foundation Practice Paper	GCSE Foundation Practice Paper	GCSE Foundation Practice Paper Review	GCSE Foundation Practice Paper Review	Catch up
6	Revision	Revision	Revision	Revision	Revision
7	Revision	Revision	Summative Assessment	Summative Assessment	