

Sandon Road, Meir, Stoke-on-Trent, ST3 7DF Telephone: 01782 377100 Fax: 01782 377101

Email: info@omera.co.uk Website: www.ormistonmeridianacademy.co.uk

Principal: Mrs C Stanyer

Subject: Mathematics **Year 10 (Foundation Tier) 10M2, 10M3 & 10M4**
Curriculum Map
2022 -2023

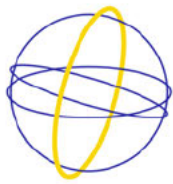
Week Commencing	Topic	Assessment Window
	Additional resources can be found by searching each topic in The Oak Academy, Corbettmaths or Sparx	
STAFF INSET 05/09 Y7 DAY 06/09 ALL STUDENT IN 07/09	Congruency, similarity and enlargement <ul style="list-style-type: none"> • Similar triangles • Translations • Rotations • Reflections • Positive enlargements • Fractional enlargements 	
12/09/2022	Congruency, similarity and enlargement <ul style="list-style-type: none"> • Similar triangles • Translations • Rotations • Reflections • Positive enlargements • Fractional enlargements 	
19/09/2022	Congruency, similarity and enlargement <ul style="list-style-type: none"> • Similar triangles • Translations • Rotations • Reflections • Positive enlargements • Fractional enlargements 	Learning Checkpoint
26/09/2022	Triangle measures <ul style="list-style-type: none"> • Area of triangles • Pythagoras' Theorem • Right-angled triangle trigonometry 	
03/10/2022	Triangle measures <ul style="list-style-type: none"> • Area of triangles • Pythagoras' Theorem • Right-angled triangle trigonometry 	
10/10/2022	Triangle measures <ul style="list-style-type: none"> • Area of triangles • Pythagoras' Theorem • Right-angled triangle trigonometry 	Learning Checkpoint
17/10/2022	AR1 preparation, response and DDI	AR1
October Half Term		

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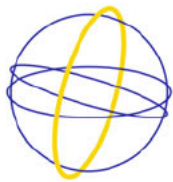
31/10/2022	AR1 preparation, response and DDI	AR1
7/11/2022	Algebraic techniques <ul style="list-style-type: none"> Collecting like terms Expanding brackets Factorisation 	
14/11/2022	Algebraic techniques <ul style="list-style-type: none"> Collecting like terms Expanding brackets Factorisation 	
21/11/2022	Algebraic techniques <ul style="list-style-type: none"> Collecting like terms Expanding brackets Factorisation 	Learning Checkpoint
28/11/2022	Equations and inequalities <ul style="list-style-type: none"> Linear equations Linear inequalities 	
5/12/2022	Equations and inequalities <ul style="list-style-type: none"> Linear equations Linear inequalities 	
12/12/2022	Equations and inequalities <ul style="list-style-type: none"> Linear equations Linear inequalities 	Learning Checkpoint
Christmas Break		
02/01/2023	Angles and bearings <ul style="list-style-type: none"> Angles on straight lines Angles around a point Angles on parallel lines Angles in quadrilaterals Angles in triangles Bearings 	
9/01/2023	Angles and bearings <ul style="list-style-type: none"> Angles on straight lines Angles around a point Angles on parallel lines Angles in quadrilaterals Angles in triangles Bearings 	Learning Checkpoint
16/01/2023	Area, perimeter and volume <ul style="list-style-type: none"> Area of rectangles Area of parallelograms Area of trapezia Area of triangles Area and circumference of circles Volume and surface area of cubes and cuboids 	

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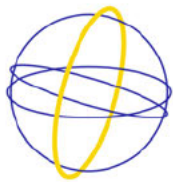
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	<ul style="list-style-type: none"> Volume and surface area of prisms 	
23/01/2023	Area, perimeter and volume <ul style="list-style-type: none"> Area of rectangles Area of parallelograms Area of trapezia Area of triangles Area and circumference of circles Volume and surface area of cubes and cuboids Volume and surface area of prisms 	
30/01/2023	AR2 preparation, response and DDI	AR2
6/02/2023	AR2 preparation, response and DDI	AR2
13/02/2023	Area, perimeter and volume <ul style="list-style-type: none"> Area of rectangles Area of parallelograms Area of trapezia Area of triangles Area and circumference of circles Volume and surface area of cubes and cuboids Volume and surface area of prisms 	Learning Checkpoint
February Half Term		
27/02/2023	Ratio and fractions <ul style="list-style-type: none"> Proportional comparison with ratio Conversions with ratio Direct proportion graphs Recipes Best buys Ratio with volume, area and algebra 	
6/03/2023	Vectors <ul style="list-style-type: none"> Vector arithmetic 	Learning Checkpoint
13/03/2023	Ratio and fractions <ul style="list-style-type: none"> Proportional comparison with ratio Conversions with ratio Direct proportion graphs Recipes Best buys 	

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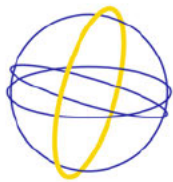
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20/03/2023	Ratio and fractions <ul style="list-style-type: none"> • Proportional comparison with ratio • Conversions with ratio • Direct proportion graphs • Recipes • Best buys 	
27/03/2023	Ratio and fractions <ul style="list-style-type: none"> • Proportional comparison with ratio • Conversions with ratio • Direct proportion graphs • Recipes • Best buys 	Learning Checkpoint
Easter		
17/04/2023	Types of number and sequences <ul style="list-style-type: none"> • Prime factorisation • Fibonacci sequences 	
24/04/23	Types of number and sequences <ul style="list-style-type: none"> • Prime factorisation • Fibonacci sequences 	Learning Checkpoint
1/05/2023	Percentages and interest <ul style="list-style-type: none"> • Percentage of amounts • Simple interest • Compound interest • Percentage change • Percentage increase and decrease • Reverse percentages 	
8/05/2023	Percentages and interest <ul style="list-style-type: none"> • Percentage of amounts • Simple interest • Compound interest • Percentage change • Percentage increase and decrease • Reverse percentages 	
15/05/23	Percentages and interest <ul style="list-style-type: none"> • Percentage of amounts • Simple interest • Compound interest • Percentage change • Percentage increase and decrease • Reverse percentages 	Learning Checkpoint
22/05/23	Probability <ul style="list-style-type: none"> • Sample spaces • Frequency trees • Venn diagrams • Probability trees 	

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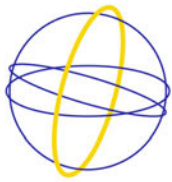
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May Half Term		
05/06/2023	Probability <ul style="list-style-type: none"> • Sample spaces • Frequency trees • Venn diagrams • Probability trees 	
12/06/2023	Probability <ul style="list-style-type: none"> • Sample spaces • Frequency trees • Venn diagrams • Probability trees 	Learning Checkpoint
19/06/2023	Estimation and rounding <ul style="list-style-type: none"> • Rounding to significant figures • Rounding to decimal places • Estimation • Error intervals 	
26/06/2023	AR3 preparation, response and DDI	AR3
3/07/2023	AR3 preparation, response and DDI	AR3
10/07/2023	Collecting, representing and interpreting data <ul style="list-style-type: none"> • Two-way tables • Pie charts • Frequency polygons • Frequency tables (discrete and continuous) • Scatter graphs 	
17/07/2023	Collecting, representing and interpreting data <ul style="list-style-type: none"> • Two-way tables • Pie charts • Frequency polygons • Frequency tables (discrete and continuous) • Scatter graphs 	
24/07/2023	Collecting, representing and interpreting data <ul style="list-style-type: none"> • Two-way tables • Pie charts • Frequency polygons • Frequency tables (discrete and continuous) • Scatter graphs 	Learning Checkpoint

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