J560/04 Paper 4 Higher Tier

CLIP	TITLE	TOPIC	GRADE	REVISED
69*	Listing Strategies	Number	3	
75	BODMAS/BIDMAS	Number	3	
77	Calculator Questions	Number	3	
83*	Standard Form	Number	3	
84*	Decimals and Fractions	Number	3	
85	Fractions, Percentages, Decimals	Number	3	
86	Percentage of an Amount (Calc.)	Number	3	
88	Change to a Percentage (Calc.)	Number	3	
156	Mathematical Reasoning	Number	5	
206	Upper and Lower Bounds	Number	8 - 9	
93*	Expanding Brackets	Algebra	3	
95*	Substitution	Algebra	3	
96*	Straight Line Graphs	Algebra	3	
98*	Drawing Quadratic Graphs	Algebra	3	
134a*	Expanding and Simplifying Brackets - Single	Algebra	4	
134b*	Expanding and Simplifying Brackets - Double	Algebra	4	
137*	Forming Formulae and Equations	Algebra	4	
139*	Solve Linear Inequalities	Algebra	4	
157*	Factorising and Solving Quadratics	Algebra	5	
192*	Factorising Hard Quadratics	Algebra	7	
193	Algebraic Proof	Algebra	7	
194*	Exponential Functions	Algebra	7	
197*	Equation of a Circle	Algebra	7	
210a	Algebraic Fractions - Simplifying	Algebra	8 - 9	
210b	Algebraic Fractions - Solving	Algebra	8 - 9	
212*	Solve Quadratic Inequalites	Algebra	8 - 9	
109*	Percentage Change	Ratio	3	
110*	Reverse Percentage Problems	Ratio	3	
142*	Compound Units	Ratio	4	
199*	Direct and Inverse Proportion	Ratio	7	
200a	Ratio Questions - Standard Questions	Ratio	7	
200b	Ratio Questions - Ratios to Equations	Ratio	7	
200c	Ratio Questions - Equations to Ratios	Ratio	7	
116	Circle Definitions	Geometry	3	
118*	Circumference of a Circle	Geometry	3	
122	Properties of Special Triangles	Geometry	3	
123	Angle Sum of Polygons	Geometry	3	
150b	Pythagoras' Theorem - An Algebraic Approach	Geometry	4	
150c	Pythagoras' Theorem - Line on a Graph	Geometry	4	
169	Spheres	Geometry	5	
170	Pyramids	Geometry	5	
183	Circle Theorems	Geometry	6	
58*	Listing Outcomes	Probability	2	
59*	Calculating Probabilities	Probability	2	
129	Scatter Diagrams	Probability	3	
152	Sampling Populations	Probability	4	
175*	Harder Tree Diagrams	Probability	5	
204*	And and Or Probability Questions	Probability	7	

NOTES

Date	Paper	Exam Duration	Time
20/05/2022	Paper 4 (Foundation tier) CALCULATOR	1h 30m	AM
07/06/2022	Paper 5 (Foundation tier) NON CALCULATOR	1h 30m	AM
13/06/2022	Paper 6 (Foundation tier) CALCULATOR	1h 30m	AM

x* * indicates that this will be seen again

J560/05 Paper 5 Higher Tier

CLIP	TITLE	TOPIC	GRADE	REVISED
28*	Factors, Multiples and Primes	Number	2	
29	Introduction to Powers/Indices	Number	2	
32*	Rounding to Decimal places	Number	2	
66	Multiplying Decimals	Number	3	
67	Dividing Decimals	Number	3	
71a	Adding and Subtracting Fractions - A Standard Method	Number	3	
72	Finding a Fraction of an Amount	Number	3	
73	Multiplying Fractions	Number	3	
74	Dividing Fractions	Number	3	
82	Working with Indices	Number	3	
83*	Standard Form	Number	3	
84*	Decimals and Fractions	Number	3	
87	Percentage of an Amount (Non-Calc.)	Number	3	
89	Change to a Percentage (Non-Calc.)	Number	3	
90*	Rounding to Significant Figures	Number	3	
91	Estimating Answers	Number	3	
131*	Index Notation	Number	4	
154	Negative Indices	Number	5	
177	Recurring Decimals to Fractions	Number	6	
188	Fractional Indices	Number	7	
207a	Surds - Introduction to Surds	Number	8 - 9	
207b	Surds - Surd Expressions	Number	8 - 9	
207c	Surds - Rationalising the Denominator	Number	8 - 9	
33*	Simplifying - Addition and Subtraction	Algebra	2	
34*	Simplifying - Multiplication	Algebra	2	
35*	Simplifying - Division	Algebra	2	
93*	Expanding Brackets	Algebra	3	
95*	Substitution	Algebra	3	
96*	Straight Line Graphs	Algebra	3	
98*	Drawing Quadratic Graphs	Algebra	3	
134a*	Expanding and Simplifying Brackets - Single	Algebra	4	
134b*	Expanding and Simplifying Brackets - Double	Algebra	4	
136*	Rearranging Simple Formulae	Algebra	4	
137*	Forming Formulae and Equations	Algebra	4	
157*	Factorising and Solving Quadratics	Algebra	5	
159a	Finding the Equation of a Straight Line - y=mx+c	Algebra	5	
159b	Finding the Equation of a Straight Line - Gradient and	Algebra	5	
180	Iterative Processes	Algebra	6	
190*	Rearranging difficult Formulae	Algebra	7	
192*	Factorising Hard Quadratics	Algebra	7	
197*	Equation of a Circle	Algebra	7	
208	Perpendicular Lines	Algebra	8 - 9	
216a	Interpreting Graphs - Velocity-Time Graphs	Algebra	8 - 9	
38	Introduction to Ratio	Ratio	2	
39*	Using Ratio for Recipe Questions	Ratio	2	
106*	Sharing using Ratio	Ratio	3	
109*	Percentage Change	Ratio	3	
142*	Compound Units	Ratio	4	
143	Distance-Time Graphs	Ratio	4	
165a*	Ratio Questions - Standard Questions	Ratio	5	
165b*	Ratio Questions - Questions with Overlap	Ratio	5	
165c*	Ratio Questions - Ratios, Fractions, Equations	Ratio	5	
199*	Direct and Inverse Proportion	Ratio	7	
48	Reflections	Geometry	2	
49	Rotations	Geometry	2	
50	Translations	Geometry	2	
53	Area of a Rectangle	Geometry	2	
118*	Circumference of a Circle	Geometry	3	
124	Bearings	Geometry	3	
145a	Constructing Perpendiculars - Bisecting a Line	Geometry	4	
145b	Constructing Perpendiculars - From any Point	Geometry	4	
145c	Bisecting an Angle	Geometry	4	
146	Loci	Geometry	4	
148	Enlargements	Geometry	4	
167	Sectors of a Circle	Geometry	5	
168*	Trigonometry	Geometry	5	
173	Exact Trigonometric Values	Geometry	5	
181a	Enlargement - Negative Scale Factor - Using Construc	Geometry	6	
182	Combinations of Transformations	Geometry	6	
59*	Calculating Probabilities	Probability	2	
125*	Experimental Probabilities	Probability	3	
127a	Venn Diagrams - Introduction	Probability	3	
127b	Venn Diagrams - Notation	Probability	3	
128a	Representing Data - Pie Charts	Probability	3	
151*	Simple Tree Diagrams	Probability	4	
153	Time Series	Probability	4	
175*	Harder Tree Diagrams	Probability	5	
185	Probability using Venn Diagrams	Probability	6	

J560/06 Paper 6 Higher Tier

CLIP	TITLE	TOPIC	GRADE	REVISED
28*	Factors, Multiples and Primes	Number	2	
32*	Rounding to Decimal places	Number	2	
69*	Listing Strategies	Number	3	
83*	Standard Form	Number	3	
90*	Rounding to Significant Figures	Number	3	
131*	Index Notation	Number	4	
33*	Simplifying - Addition and Subtraction	Algebra	2	
34*	Simplifying - Multiplication	Algebra	2	
35*	Simplifying - Division	Algebra	2	
93*	Expanding Brackets	Algebra	3	
94	Simple Factorisation	Algebra	3	
96*	Straight Line Graphs	Algebra	3	
98*	Drawing Quadratic Graphs	Algebra	3	
134a*	Expanding and Simplifying Brackets - Single	Algebra	4	
134b*	Expanding and Simplifying Brackets - Double	Algebra	4	
135a/135b	Solving Equations	Algebra	4	
136*	Rearranging Simple Formulae	Algebra	4	
137*	Forming Formulae and Equations	Algebra	4	
139*	Solve Linear Inequalities	Algebra	4	
157*	Factorising and Solving Quadratics	Algebra	5	
161	Cubic and Reciprocal Graphs	Algebra	5	
190*	Rearranging difficult Formulae	Algebra	7	
192*	Factorising Hard Quadratics	Algebra	7	
194*	Exponential Functions	Algebra	7	
195a	Trigonometric Graphs - Sine and Cosine	Algebra	7	
195b	Trigonometric Graphs - Tangent	Algebra	7	
196a	Transformation of Functions - Polynomial Functions	Algebra	7	
196b	Transformation of Functions - Trigonometric Function	Algebra	7	
198	Regions	Algebra	7	
209	Completing the Square - Basics	Algebra	8 - 9	
209	Completing the Square - Solving	Algebra	8 - 9	
212*	Solve Quadratic Inequalites	Algebra	8 - 9	
39*	Using Ratio for Recipe Questions	Ratio	2	
42	Introduction to Proportion	Ratio	2	
106*	Sharing using Ratio	Ratio	3	
107	Ratios, Fractions and Graphs	Ratio	3	
109*	Percentage Change	Ratio	3	
110*	Reverse Percentage Problems	Ratio	3	
142*	Compound Units	Ratio	4	
144	Similar Shapes	Ratio	4	
165a*	Ratio Questions - Standard Questions	Ratio	5	
165b*	Ratio Questions - Questions with Overlap	Ratio	5	
165c*	Ratio Questions - Ratios, Fractions, Equations	Ratio	5	
199*	Direct and Inverse Proportion	Ratio	7	
54	Area of a Triangle	Geometry	2	
114a	Surface Area of a Prism - Cuboids	Geometry	3	
114b	Surface Area of a Prism - Triangular Prisms	Geometry	3	
115	Volume of a Cuboid	Geometry	3	
117	Area of a Circle	Geometry	3	
118*	Circumference of a Circle	Geometry	3	
119	Volume of a Prism	Geometry	3	
166	Congruent triangles	Geometry	5	
168*	Trigonometry	Geometry	5	
201	Similarity - Area and Volume	Geometry	7	
202a	The Sine Rule	Geometry	7	
202b	The Cosine Rule	Geometry	7	
58*	Listing Outcomes	Probability	2	
59*	Calculating Probabilities	Probability	2	
61	Two-Way Tables	Probability	2	
125*	Experimental Probabilities	Probability	3	
126	Possibility Spaces	Probability	3	
151*	Simple Tree Diagrams	Probability	4	
175*	Harder Tree Diagrams	Probability	5	
186	Cumulative Frequency	Probability	6	
204*	And and Or Probability Questions	Probability	7	

Lesson	Topic	Notes	Starters	Staff
w/c 7th Mar	EBI Reponse			CM/LM/SW
w/c 14th Mar	Quadratics recap	Factorise Quadratic Expressions, Algebraic Fractions, Expanding Brackets (include 3 brackets), Solving Quadratic Equations, Completing the Square (Include Turning Point), Quadratic Graphs		Responsible for your own class
Starter topics:	Use of a Calculator (Divsions under a root), Fraction Arithmetic, Decimal Arithmetic, Types of Numbers, Priority of Operations, Percentage Claculations, Solve Linear Equations, Estimation, Rounding, Listing/Finding Total Combinations, Solve Inequalities, Simplify Ratios (Different Units), Upper and Lower Bounds (Error Intervals), LCM-HCF Factors and Multiples, Pie Charts, Time Series, Scatter Diagrams, Collecting Data, Angles in Polygons, SDT, MDV, Speed Distance Time Graphs, Types of Graphs, Angles in Parallel Lines, Similarity (Length, Area and Volume)			
w/c 21st Mar			**Starter Topics**	
1	Parallel and Perpendicular Lines		Priority of Operations, Solve Linear Equations, Estimation	CM
2	Equation of a Circle	Include Finding Tangent to a Circle and Identifying Circle Terms, centre (0,0) only	Types of Graphs, Percentage Calculations, MDV	TA
3	Percentage Change / Reverse Percentages	Calc & non-calc methods, reverse will be on paper 1 (calc)	Angles in Parallel Lines, Pie Charts, Combination	SW
4	Past Paper 1			
w/c 28 March (5)	Standard Circle Theorems		LCM Problems, Angles in Polygons, Fraction Arithmetic	LM
6	Pythagoras	Include **3D Pythagoras** and Applied Pythagoras	Simplify Ratios (Diff Units/ Unit Ratio), Solve Inequalities, Scatter Diagrams	CM
7	Past Paper 2			
w/c 18th April (8)	Standard Form Calculations (All 3 Papers)	Include Calc and Non Calc	Similarity (Length, Area, Vol), Upper and Lower Bounds (Including Error Intervals), Decimal Arithmetic	TA
9	Volume and Surface Area	Volume Only - Pyramid and Sphere (formulae given). Volume and Surface Area - Cuboid and Prism	Time Series, Use of a Calculator (Divisions under a Root), Speed Distance Time Graphs	SW
10	Area and Circumference of a Circle	Include length of an arc in terms of Pi	Rounding, SDT, Identifying Trig Graphs	LM
11	Past Paper 3			
w/c 25th April (12)	Growth and Decay Problems / Solve Ratio and Proportion Problems	Mention Simple Interest but focus on compound interest. Mention formula given for compound interest.	Priority of Operations, Solve Linear Equations, Estimation	CM
13	Venn Diagrams and Sets / Sample Spaces / Relative Frequency	Include Conditional Probability e.g. Given someone drove to school, what is the probability of them also being late	Types of Graphs, Percentage Calculations, MDV	TA
14	Direct and Inverse Proportion	Include graphs	Angles in Parallel Lines, Pie Charts, Combination	SW
15	Past Paper 4			
w/c 2nd May (16)	Rearranging Formulae / Reasons for Congruency	Include the need to factorise	LCM Problems, Angles in Polygons, Fraction Arithmetic	LM
17	Trigonometry	Include Right Angled and Non-Right Angled. Also Area of Non Right Angled Triangles, exact values likely to be right angled trig.	Simplify Ratios (Diff Units/ Unit Ratio), Solve Inequalities, Scatter Diagrams	CM
18	Laws of Indices / Cumulative Frequency inc box plots	Include Change of Base with solving equations	Similarity (Length, Area, Vol), Upper and Lower Bounds (Including Error Intervals), Decimal Arithmetic	TA
19	Past Paper 5			
w/c 9th May (20)	Surds and Exact Calculations	Include Applied Surds with Trigonometry	Time Series, Use of a Calculator (Divisions under a Root), Speed Distance Time Graphs	SW
21	Form and Solve Equations / Algebraic Proofs		Rounding, SDT, Identifying Trig Graphs	LM
22	Approximate solutions by iteration / Tree Diagrams with Conditional Probability		Priority of Operations, Solve Linear Equations, Estimation	CM
23	Walking Talking Mock			
Start of Exams (24)	If there are lessons before Paper 1 (Fri 20th May) topics not revistied so far include:	Drawing and Interpreting Graphs, Scatter Diagrams, Properties of a Triangle,		TA
25	If there are lessons before Paper 2 (Tues 7th June) topics not revisited so far include:	Recurring Decimals, Transformations, Constructions, Loci, Maps Bearing and Scale Drawings, Relative Frequency, Use Kinematics Formulae		SW
26	If there are lessons before Paper 3 (Mon 13th June) topics not revisited so far include:	Graphical Inequalities, Solution set for Inequalities, Transformation of Graphs, SImilarity (Linear, Area and Volume)		LM