

Vision summary/ Curriculum intent:										
Week	Unit	Year 9 - Intermediate	Assessment	Homework	Assessment Objectives/ skills	Unit	Year 10 - Intermediate	Assessment	Homework	Assessment objectives/ skills:
1	N2, N14, N15	Decimals and Accuracy	Ongoing soft testing. PA, SA	Weekly	Multiplying and dividing decimals. Rounding (decimal places and significant figures). Estimation and error in measure		Revision, exam, review	Autumn Assessment 1	Weekly	
2		Decimals and Accuracy		Weekly		N8, N14, N15, A5, A21, R1, G9, G14, G16, G17, G18	Area and Perimeter	Ongoing soft testing. PA, SA		Formulae for 2D shapes inc parallelograms, trapezia and circles, inc. compound shapes, arc length and sector area. Review terminology for parts of a circle
3	N3, N6, N7	Indices		Weekly	Inc. negative and fractional indices		Area and Perimeter			
4	N9	Standard Form		Weekly	Writing and calculating in standard form	N8, N14, N15, A5, A21, R1, G12, G13, G14, G16, G17, G18	3D Shapes	Target Review		Volume and surface area of cone, pyramids, spheres, frustums and compound solids. Extend to backwards problems and problems from the orange text book.
5	N7, N8, N14	Surds		Weekly	Inc. expanding brackets with surds		3D Shapes			
6		Revision, Exam, Review	Autumn Assessment	Weekly		R6, R12, G6, G19	Length, area and volume scale factors	Ongoing soft testing. PA, SA		Review converting between metric units first
7	A1, A3, A4, A7, A17, A21	Algebraic techniques		Weekly	Expanding single and double brackets. Solving 2 & 3 step equations (inc. unknown on both sides)	N15, N16, R1	Upper and Lower bounds and recurring decimals to fractions			Recurring decimals to fractions. Bounds may be new
October										
8	A3, A5, A6	Rearranging Formulae	Ongoing soft testing. PA, SA	Weekly	Inc. where the subject is in more than one term	G7, G8, G24	Transformations	Ongoing soft testing. PA, SA		All types Inc. enlargements with negative scale factors
9	A23, A24, A25	Sequences	Target Review	Weekly	Generating sequences and nth term of linear sequences. Extend to quadratics	R2, R6, G2, G13, G15	Constructions and Loci			All constructions and loci problems
10	A3, A4, A18	Quadratics	Ongoing soft testing. PA, SA	Weekly	Recap expanding and factorising (inc. DOTS). Solve by factorising	N1, N8, A4, A5, A11, A18, A22	Quadratic inequalities			Review linear inequalities. Factorise and sketch quadratic graphs first then move to solving quadratic inequalities
11	N2, N8	Algebraic Fractions		Weekly	Recap calculating with numerical fractions (inc. mixed and improper fractions) first. Simplify algebraic fractions, extending to adding/subtracting/multiplying/dividing		Quadratic inequalities			
12	A3, A4, A6	Algebraic Fractions		Weekly				Revision, exam, review	Autumn Assessment 2	Weekly
13	N12, R9, R16	Percentages		Weekly	Percentages of amounts (with/without a calculator) inc. percentage increase/decrease with multipliers. Simple and compound interest, reverse percentages and percentage change	N3, N6, N7, N8, N14, A4, A5, A6	Surds	Ongoing soft testing. PA, SA		Simplifying, adding, subtracting and multiplying inc double brackets. Extend to rationalising denominators and shape problem solving from the orange text book
14		Percentages		Weekly			Surds			
Christmas										
15	P1, P4, P6, P8	Tree Diagrams	Spring	Weekly	Inc. one lesson on frequency trees. Cover both independent and dependent events		Review and Catch-up time	Target Review		
16	N15, A5, R12, G6, G20	Pythagoras and SOHCAHTOA	Ongoing soft testing. PA, SA	Weekly	Recap Pythagoras and SOHCAHTOA. Extend to problem solving questions	A4, A5, A6, A7, A18	Functions	Ongoing soft testing. PA, SA		Inc. composite and inverse functions
17	G9, G10	Circle Theorems		Weekly	Cover all theorems	A19, A21	Simultaneous Equations			recap linear simultaneous equations first with equations 3 and 4 and negatives then extend to quadratic simultaneous equations
18		Circle Theorems		Weekly			Simultaneous Equations			
19	N8, N14, N15, A5, G9, G17, G18	Circles		Weekly	Circumference and area of circles. Extend to arc length/sector and compound shapes	N13, A8, A9, A10, A17	Linear graphs			recap $y=mx+c$ extend to perpendicular lines and problem solving
20		Revision, Exam, Review	Spring Assessment	Weekly		N1, A9, A22, P4, P6, P7, P8, P9	Graphical inequalities			Regions and inequalities
February										
21	A8, A9, A10, A12, G11	Linear Graphs	Ongoing soft testing. PA, SA	Weekly	Drawing linear graphs and use of $y = mx + c$. Inc. calculating midpoints		Revision, exam, review	Spring Assessment	Weekly	
22	A19, A21	Simultaneous Equations		Weekly	Extend to equations 3 & 4, inc. forming simultaneous equations	N1, A9, A22, P4, P6, P7, P8, P9	Venn Diagrams	Ongoing soft testing. PA,		Set theory notation and language - this will be new to all.

23	A2, A14, R11, R14	Kinematics	Target Review	Weekly	Distance-time graphs and velocity-time graphs. Use them to find speed and distance, then cover SUVAT equations (note: recap lesson on substitution may be required first)	N5, P2, P4, P5, P6, P7, P8, P9	Tree Diagrams	SA		Extend to algebraic problems. Inc. starters on systematic counting strategies
24		Kinematics	Ongoing soft testing. PA, SA	Weekly		A20, R16	Iterative Methods	Target Review		Roots of an equation, proving an iterative formula, finding estimates using the ANS button on calc.
25	A5, A11, A18	Completing the square		Weekly	Inc. solving and its use for finding turning points	A1, A4, A6	Algebraic Proof	Ongoing soft testing. PA, SA		Recap subtracting the product of 2 brackets. Ind odd and even proofs
26	A18, A21	Quadratic formula		Weekly	Inc. forming quadratics if possible	G14, S1, S3, S4	Histograms			Review (year 9) Inc backward problems, finding frequencies, given the histogram
Easter										
27	R6, R12, G6, G7, G19	Similar Shapes	Summer	Weekly	Recap finding missing side lengths. Extend to area and volume scale factors		Algebra review	Ongoing soft testing. PA, SA		Use SM's booklet that covers all algebra topics
28		Similar Shapes	Ongoing soft testing. PA, SA	Weekly			Review and Catch-up time			
29	N13, R10, R13, R14	Proportionality		Weekly	Both direct and inverse proportion, inc. squares, cubes, roots, etc.	N13, R1, R11	Scientific formulae			SDT, DMV, PFA - inc the average speed of 2 journeys combined and density of 2 materials combined
30	A5, R12, G20, G22, G23	Trigonometry		Weekly	Recap SOHCAHTOA, then move on to sine and cosine rules	A5, G20, G21, G22, G23	Trigonometry			Review sine & cosine rules (inc. bearings), area of triangles, exact values- won't have been covered
31		Revision, Exam, Review	Summer Assessment	Weekly		A8, A12, G20, G21	Trigonometric graphs			Use graphs to solve trigonometric equations. Extend to quadratic trigonometric equations
32	S2, S4	Averages		Weekly	Recap mean, median, mode and range. Inc. frequency tables and grouped data	A8, A12, A13, G11, G24	Graph transformations		May not have been covered. Move graphs up, down, left and right. Extend to stretches.	
Whitsun										
33	N5, P2, P4, P6, P7	Set Theory	Ongoing soft testing. PA, SA	Weekly	Recap terminology from year 7. Draw and interpret Venn diagrams and use to find probabilities	A8, A9, A10, A13, A16, G11	Equations of circles	Ongoing soft testing. PA, SA		Inc. finding equations of tangents to circles
34	S3, S4	Cumulative frequency and box plots	Target Review	Weekly	Draw and interpret from diagrams and box plots. Compare data sets	G24, G25	Vectors			Inc. ratio problems, proving vectors are parallel and proving points lie on a straight line
35	G24, G25	Vectors	Ongoing soft testing. PA, SA	Weekly	Adding/subtracting/multiplying vectors. Path journeys, terminology, aiming for parallel proof		Revision, exam, review	Summer Assessment	Weekly	
36	A4, A11, A12, A18	Quadratic Graphs		Weekly	Recap solving quadratics. Plot quadratics and solve simultaneous equations graphically		Revision, exam, review	All 3 papers	Weekly	
37		Review		Weekly	Go over prior learning and use time to develop problem solving techniques		Revision, exam, review		Weekly	
38		Enrichment Week		Weekly			Work experience			
39		Review		Weekly	Display work/problem solving activities		Review	Target Review?		
Week	Unit	Year 11 - Intermediate	Assessment	Homework	Assessment objectives/ skills:					
1	N3, N4, N6, N7	Revision of number and indices	Ongoing soft testing. PA, SA		Review (year 9 & 10): indices. Revise squares, cubes, primes, prime factorisation, HCF and LCM					
2	N1, A3, A22	Inequalities			On a number line and solving					
3	G1, G3, G4, G6, G15	Angles and bearings			Review (year 10): parallel lines and interior/exterior angles. Emphasis on giving reasons					
4		Revision, exam, review	Autumn Assessment							
5	N12, R9, S2, S4	Percentages and averages	Ongoing soft testing. PA, SA		Review (year 9 & 10): percentage increase/decrease, reverse percentages. Averages from tables					
6	N8, N14, N15, A5, R1, G9, G12, G14, G16, G17, G18	Perimeter, area and volume			Review (year 10): go over area and circumference of circles and extend to arc length/sector area. Surface area/volume of cones, pyramids, cylinders and spheres. Focus on algebraic problems					
7		Perimeter, area and volume		Target Review						

