

Vision summary/ Curriculum intent:										
Week	Unit	Year 9 - Foundation	Assessment	Homework	Assessment Objectives/ skills	Unit	Year 10 - Foundation	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		G1, G3, G4, G6, G15	Angles		Weekly	Recap basic angle facts. Parallel lines and interior/exterior angles. Extend to problems involving algebra
3	N3, N6, N7	Indices		Weekly	Inc. negative and fractional indices		Angles		Weekly	
4	N9	Standard Form		Weekly	Writing and calculating in standard form	S1, S5	Sampling	Target Review	Weekly	Planning and carrying out investigations. Cover terminology for statistics and sampling
5	N7, N8, N14	Surds		Weekly	Inc. expanding brackets with surds	S2, S4	Averages and range		Weekly	Review (year 9): from tables and grouped data. Inc. stem and leaf diagrams, etc.
6		Revision, Exam, Review	Autumn Assessment	Weekly		N14, A5, R1, G16, G17	Perimeter, Area and volume		Weekly	Start with lesson on converting between metric units. Area of rectangles, triangles, parallelograms, trapezia and compound shapes. Focus on functional and algebraic problems
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)		Perimeter, Area and volume		Weekly	
<b>October</b>										
8	A3, A5, A6	Rearranging Formulae	Ongoing soft testing. PA, SA	Weekly	Inc. where the subject is in more than one term	R1, G12, G14	Surface Area and Volume	Ongoing soft testing. PA, SA	Weekly	Nets, surface area and volume of prisms. Focus on functional and algebraic problems
9	A23, A24, A25	Sequences	Target Review	Weekly	Generating sequences and nth term of linear sequences. Extend to quadratics	A8, A14, R1, R11	Using graphs		Weekly	Review (year 9): real-life/distance-time graphs and conversion graphs
10	A3, A4, A18	Quadratics	Ongoing soft testing. PA, SA	Weekly	Recap expanding and factorising (inc. DOTS). Solve by factorising	N13, A7, A8, A9, A10, A12, A17, G11	Linear graphs		Weekly	Review (year 9): plotting from a table, calculating midpoints and use of $y = mx + c$ (inc. parallel lines). Extend to solving simultaneous equations graphically. Inc. cover up method for plotting
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		Linear graphs		Weekly	
12	A3, A4, A6	Algebraic Fractions		Weekly			Revision, exam, review		Autumn Assessment 2	Weekly
13	N12, R9, R16	Percentages	Ongoing soft testing. PA, SA	Weekly	Percentages of amounts (with/without a calculator) inc. percentage increase/decrease with multipliers. Simple and compound interest, reverse percentages and percentage change	R12, G1, G7, G24	Transformations	Weekly	Inc. combinations of transformations	
14		Percentages		Weekly		N11, R4, R5, R6, R7, R8	Ratio	Weekly	Focus on wordy problem solving questions	
<b>Christmas</b>										
15	P1, P4, P6, P8	Tree Diagrams	Spring	Weekly	Inc. one lesson on frequency trees. Cover both independent and dependent events		Review, catch-up time	Target Review	Weekly	
16	N15, A5, R12, G6, G20	Pythagoras and SOHCAHTOA	Ongoing soft testing. PA, SA	Weekly	Recap Pythagoras and SOHCAHTOA. Extend to problem solving questions	N13, R10, R13, R14	Direct and Inverse proportion	Ongoing soft testing. PA, SA	Weekly	Review (year 9): from a table. Inc. squares and roots. Also practise solving word problems
17	G9, G10	Circle Theorems		Weekly	Cover all theorems	N15, A5, G6, G20	Pythagoras		Weekly	Focus on problem solving questions
18		Circle Theorems		Weekly		N15, A5, R12, G20, G21	Trigonometry		Weekly	Review (year 9). Inc. exact values. Focus on problem solving questions
19	N8, N14, N15, A5, G9, G17, G18	Circles		Weekly	Circumference and area of circles. Extend to arc length/sector and compound shapes	N5, P1, P2, P3, P4, P5, P6, P7	Probability		Weekly	Cover sample spaces and two-way tables, mutually exclusive and independent events, relative frequency and Venn diagrams (inc. set notation)
20		Revision, Exam, Review		Spring Assessment	Weekly				Probability	Weekly
<b>February</b>										
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	P1, P4, P6, P8	Tree Diagrams	Ongoing soft testing. PA,	Weekly	Review (year 9): inc. one lesson on frequency trees. Cover both independent and dependent events

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)	A1, A3, A4	Expanding and Factorising	SA	Weekly	Review (year 9): both single and double brackets
24		Kinematics	Ongoing soft testing. PA, SA	Weekly		A3, A7, A17, A21, A18	Solving Equations	Target Review	Weekly	Review (year 9): unknown on both sides, fractional equations and solving quadratics by factorising
25	A5, A11, A18	Completing the square		Weekly	Inc. solving and its use for finding turning points	N1, N10, N12, N13, R3, R9	Fractions, Decimals and Percentages		Weekly	Review (year 9): percentages of amounts (inc. % increase/decrease). Ensure understanding of place value. Convert between FDP (inc. problems where FDP need to be ordered). Fractions of amounts
26	A18, A21	Quadratic formula		Weekly	Inc. forming quadratics if possible		Fractions, Decimals and Percentages		Weekly	
Easter										
27	R6, R12, G6, G7, G19	Similar Shapes	Summer	Weekly	Recap finding missing side lengths. Extend to area and volume scale factors	N12, N13, R3, R9, R16	Percentages	Ongoing soft testing. PA, SA	Weekly	Review (year 9): simple and compound interest, reverse percentages and percentage change
28		Similar Shapes	Ongoing soft testing. PA, SA	Weekly		N3, N6, N7	Indices		Weekly	Review (year 9): inc. negative indices
29	N13, R10, R13, R14	Proportionality		Weekly	Both direct and inverse proportion, inc. squares, cubes, roots, etc.	N8, N14, N15, A5, G9, G17	Circumference and area of circles		Weekly	Review (year 9). Inc. algebraic problems and ensure terminology is covered
30	A5, R12, G20, G22, G23	Trigonometry		Weekly	Recap SOHCAHTOA, then move on to sine and cosine rules	A3, A5, A6	Rearranging formulae		Weekly	Review (year 9): inc. where the subject is in more than one term
31		Revision, Exam, Review	Summer Assessment	Weekly		A23, A24, A25	Sequences		Weekly	Review (year 9). Inc. finding whether a number is in a sequence
32	S2, S4	Averages		Weekly	Recap mean, median, mode and range. Inc. frequency tables and grouped data	N13, A5, R1, R11, G14	Scientific Formulae		Weekly	SDT, DMV, PFA
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	R2, G2, G9, G13, G15	Constructions and Loci	Summer	Weekly	Inc. plans and elevations and bearings
34	S3, S4	Cumulative frequency and box plots	Target Review	Weekly	Draw and interpret from diagrams and box plots. Compare data sets		Constructions and Loci	Ongoing soft testing. PA, SA	Weekly	
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		Weekly	
39		Review		Weekly	Display work/problem solving activities	S6	Scattergraphs and review	Target Review?	Weekly	
Week										
	Unit	Year 11 - Foundation	Assessment	Homework	Assessment objectives/ skills:					
1	N3, N4, N6, N7	Revision of number and indices			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 1							
5	N12, R9, S2, S4	Percentages and averages			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							
October										
8	N2, N3, N8	Calculating with fractions			Cover all four rules, inc. mixed/improper fractions and problems involving BIDMAS					
9	N9	Standard Form			Review (year 9): writing and calculating in standard form					
10	A1, A3, A4	Expanding and Factorising			Review (year 9 & 10): both single and double brackets, inc. solving quadratics by factorising					
11	N1, N10	Fractions, decimals and percentages			Review (year 10): converting FDP, ordering and place value problems					

