

Year 10 Foundation Scheme of Learning

	Week	Topic	Notes	Specification ref.	
Term 1	1	Revision, exam, review			
	2	Angles (1)	Recap basic angle facts. Parallel lines and interior/exterior angles. Extend to problems involving algebra	G1, G3, G4, G6, G15	
	3	Angles (2)	Recap basic angle facts. Parallel lines and interior/exterior angles. Extend to problems involving algebra	G1, G3, G4, G6, G16	
	4	Sampling	Planning and carrying out investigations. Cover terminology for statistics and sampling.	S1, S5	
	5	Averages and range	Review (year 9): from tables and grouped data. Inc. stem and leaf diagrams, etc.	S2, S4	
	6	Perimeter, area and volume (1)	Start with lesson on converting between metric units. Area of rectangles, triangles, parallelograms, trapezia and compound shapes. Focus on functional and algebraic problems	N14, A5, R1, G16, G17	
	7	Perimeter, area and volume (2)	Start with lesson on converting between metric units. Area of rectangles, triangles, parallelograms, trapezia and compound shapes. Focus on functional and algebraic problems	N14, A5, R1, G16, G18	
	8	Surface area and volume	Nets, surface area and volume of prisms. Focus on functional and algebraic problems	R1, G12, G14	
	HALF TERM				
	9	Using graphs	Review (year 9): real-life/distance-time graphs and conversion graphs	A8, A14, R1, R11	
	10	Linear graphs (1)	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	N13, A7, A8, A9, A10, A12, A17, G11	
	11	Linear graphs (2)	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	N13, A7, A8, A9, A10, A12, A17, G12	
	12	Revision, exam, review			
	13	Transformations	Inc. combinations of transformations	R12, G1, G7, G24	
	14	Ratio	Focus on wordy problem solving questions	N11, R4, R5, R6, R7, R8	
15	Review/catch up time	Target Review			
CHRISTMAS					
Term 2	16	Direct and inverse proportion	Review (year 9): from a table. Inc. squares and roots. Also practise solving word problems	N13, R10, R13, R14	
	17	Pythagoras	Focus on problem solving questions	N15, A5, G6, G20	
	18	SOHCAHTOA	Review (year 9). Inc. exact values. Focus on problem solving questions	N15, A5, R12, G20, G21	
	19	Probability (1)	Cover sample spaces and two-way tables, mutually exclusive and independent events, relative frequency and Venn diagrams (inc. set notation)	N5, P1, P2, P3, P4, P5, P6, P7	
	20	Probability (2)	Cover sample spaces and two-way tables, mutually exclusive and independent events, relative frequency and Venn diagrams (inc. set notation)	N5, P1, P2, P3, P4, P5, P6, P8	
	21	Revision, exam, review			
	HALF TERM				
	22	Tree diagrams	Review (year 9): inc. one lesson on frequency trees. Cover both independent and dependent events	P1, P4, P6, P8	
	23	Expanding and factorising	Review (year 9): both single and double brackets	A1, A3, A4	
	24	Solving equations	Review (year 9): unknown on both sides, fractional equations and solving quadratics by factorising	A3, A7, A17, A21, A18	
	25	Fractions, decimals and percentages (1)	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	N1, N10, N12, N13, R3, R9	
	26	Fractions, decimals and percentages (2)	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	N1, N10, N12, N13, R3, R10	
	27	Percentages	Review (year 9): simple and compound interest, reverse percentages and percentage change	N12, N13, R3, R9, R16	
28	Indices	Review (year 9): inc. negative indices	N3, N6, N7		
EASTER					
Term 3	29	Circumference and area of circles	Review (year 9). Inc. algebraic problems and ensure terminology is covered	N8, N14, N15, A5, G9, G17	
	30	Rearranging formulae	Review (year 9): inc. where the subject is in more than one term	A3, A5, A6	
	31	Sequences	Review (year 9). Inc. finding whether a number is in a sequence	A23, A24, A25	
	32	Scientific formulae	SDT, DMV, PFA	N13, A5, R1, R11, G14	
	HALF TERM				
	33	Constructions and loci (1)	Inc. plans and elevations and bearings	R2, G2, G9, G13, G15	
	34	Constructions and loci (2)	Inc. plans and elevations and bearings	R2, G2, G9, G13, G16	
	35	Revision, exam (all 3 papers), review			
	36				
	37				
38	Enrichment Week/Year 10 Work Experience				
39	Scatter graphs and review	Target Review?	S6		