

Foundation Scheme of Learning

Week	Topic	Notes	Specification ref.
1	Revision of number and indices	Review (year 9 & 10): indices. Revise squares, cubes, primes, prime factorisation, HCF and LCM	N3, N4, N6, N7
2	Inequalities	On a number line and solving	N1, A3, A22
3	Angles and bearings	Review (year 10): parallel lines and interior/exterior angles. Emphasis on giving reasons	G1, G3, G4, G6, G15
4	Revision, exam, review		
5	Percentages and averages	Review (year 9 & 10): percentage increase/decrease, reverse percentages. Averages from tables	N12, R9, S2, S4
6	Perimeter, area and volume (1)	Review (year 10): go over area and circumference of circles and extend to arc length/sector area. Surface area	N8, N14, N15, A5, R1, G9, G12, G14, G16, G17, G18
7	Perimeter, area and volume (2)	Review (year 10): go over area and circumference of circles and extend to arc length/sector area. Surface area	N8, N14, N15, A5, R1, G9, G12, G14, G16, G17, G19
8	Calculating with fractions	Cover all four rules, inc. mixed/improper fractions and problems involving BIDMAS	N2, N3, N8
HALF TERM			
9	Standard form	Review (year 9): writing and calculating in standard form	N9
10	Expanding and factorising	Review (year 9 & 10): both single and double brackets, inc. solving quadratics by factorising	A1, A3, A4
11	Fractions, decimals and percentages	Review (year 10): converting FDP, ordering and place value problems	N1, N10
12	Revision, exam (all 3 papers), review		
13	Revision, exam (all 3 papers), review		
14	Probability	Review (year 10): basic probability, relative frequency and tree diagrams	N5, P1, P2, P3, P4, P5, P6, P7, P8
15	Problem solving	Develop problem solving and exam technique	
CHRISTMAS			
16	Congruence and similarity	Inc. scale drawings	R2, R6, R12, G5, G6, G7, G19
17	Simultaneous equations	Review (year 9): equations 3 & 4, inc. forming simultaneous equations	A19, A21
18	Linear graphs	Review (year 9 & 10): $y = mx + c$. Equation of parallel lines. Problem solving with straight lines	N13, A7, A8, A9, 10, A12, A17, G11
19	Quadratics and solving equations graphically	Plotting and sketching quadratics. Solving equations with one quadratic and one linear graph	A4, A11, A12, A18
20	Types of graph	Cubic and reciprocal graphs	A12, A14
21	Rearranging formulae and sequences	Review (year 9 & 10)	A3, A5, A6, A23, A24, A25
HALF TERM			
22	Pythagoras and SOHCAHTOA	Review (year 9 & 10): focus on problem solving	N15, A5, R12, G6, G20, G21
23	Data handling	Stem and leaf, pie charts, drawing/interpreting bar charts (inc. composite bar charts)	G14, S2, S4
24	Scientific formulae and constructions & loci	Review (year 10): SDT, DMV, PFA. Inc. plans and elevations	N13, A5, R1, R2, R11, G2, G9, G13, G14, G15
25	Revision, exam (all 3 papers), review		
26	Revision, exam (all 3 papers), review		
27	Written calculations	Calculating with decimals and fractions. Inc. limits of accuracy	N1, N2, N3, N16
28	Vectors	Adding/subtracting/multiplying vectors. Path journeys, terminology, aiming for parallel proof	G24, G25
EASTER			
29	Exam papers and in-class revision		
30			
31			
32			