

GCSE – Edexcel Foundation

Wk	Module (time)	Notes
1		
2	Number (9)	P.V, ordering, rounding
3		Mental calc, written calc
4		Bodmas
5	Geometry(8)	Angles on a line and round a point....
6		Angle properties of shapes....
7		Int & ext angles of quadrilaterals. tessellation
8	Numbers & Powers (5)	Even, odd, primes, factors, multiples, squares, cubes, roots, powers, prime factors, HCF & LCM
9		
10	Collecting data (3)	Diff ways, sort & present, 2-way tables
11	Algebra (6)	Collect like terms, remove single brackets, multiply letters and numbers, formulae, negative numbers
12		
13	Transformations (5)	Co-ordinates, congruent shapes, Line & rotational symmetry, reflection, rotation, translation
14		
15	Fractions (5)	Equivalents, cancelling, improper fractions, mixed no ^s
		Christmas
16		Decimals, ordering, + - x ÷, fractions of quantities
17	Equations & identities (5)	Inverse ops, equations – linear, brackets, unknown both sides, algebraic equations & solving problems
18		
19	Sequences (3)	extend, generate, term2term, posn2term, nth term
20	Shape (7)	Construct Δ & 2D shapes, Area of plane shapes
21		Construct 3D shapes, Nets, Volume
22		Surface Area
23	Probability (4)	Outcomes, sum of probs, predictions, sample space
24	Circles (5)	Parts of; inscribe polygons in;
25		Circumference; Area
		Easter
26	Ratio and proportion (5)	simplifying; fractions; dividing into given ratio; unitary; direct propn; conversion factors; scale drawings
27		
28	Displaying data (6)	Tally; grouped frequency tables; line graphs; stem & leaf; draw and interpret pie charts
29		
30	Approximation (4)	Rounding; dp & sig figs; read calculator display to appropriate accuracy; use a calculator efficiently
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32	Average & spread (5)	Mode, median, mean & range
33		Discrete frequency tables; continuous data
34	Transformations (5)	Centre of enlargement; Scale factors; similar Δ s
35		Translations; Vector notation
36	Substitution & formulae (4)	Substitute using squares & cubes; generate formulas; rearrange formulas; trial & improvement
37		
38	Work experience	
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1		
2	Area & perimeter(6)	Triangles, rectangle and compound shapes.
3		Inc, triangles, parallelogram and trapezium.
4	Probability (4)	Only use fdp, reinforce $P(A') = 1-P(A)$
5	Algebra (6)	Equations and formulae, inverse operations. Word problems linked to algebra. (incl negative numbers)
6		
7	3D & volume (5)	Volume of a cuboid, nets, surface area
8		Vocab
9	Transformations (7)	Enlargement, coe and SF>1.
10		Similar triangles, describe transformations in full
11	Fractions (5)	Operations without a calc.....
12		(Ensure those with calc can use them!)
13	Graphs (6)	Real life graphs inc speed and dist-time graphs
14		Use co-ords to solve problems
15	Geometry (4)	Parallel & perpendicular.....
		Christmas
16		
17	Percentages (5)	Calc % of an amount, solve problems, % increase/decrease...
18		
19	Number (7)	Ratio and conversion.....
20		
21	Estimation (6)	DP and Sig figs, using a calculator, checking answers
22		Trial and improvement
23	3D shapes (4)	2D representation of 3D, plans and elevations.....
24	Algebra (6)	Factorising, solve equations inc negative numbers, derive formulae, substitution inc powers
25		
		Easter
26	Circles (3)	Vocab, know area & circumference formula....
27	Handling data (3)	Two way tables, line graph (time series) interpret social statistics.
28	Exam Practice	
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31	GCSE EXAMINATIONS BEGIN	
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