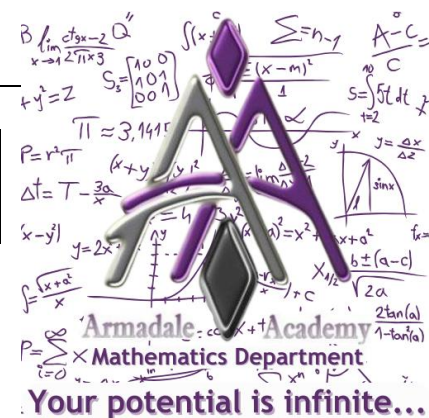


Level 4 Mathematics

4th Level Benchmark Mapping - this document shows how our Zeta Maths course aligns with Education Scotland Experiences and Outcomes at Level 4 (pg323)



<u>Week Beginning</u>	<u>Content/Topic</u>	<u>Zeta Exercise</u>	<u>Numeracy</u>
10/08/2026	INSET DAY		
	INSET DAY		
	Evaluating powers of positive and negative numbers	3.1	
	Evaluating powers of decimal numbers	3.2	
Numeracy			Rounding to one, two or three decimal places (Ex 1.1)
17/08/2026	Evaluating powers of fractions	3.3	
	Evaluating roots	3.4	
	Evaluating powers and roots using a calculator	3.5	
	Converting improper fractions to mixed numbers	5.1	
Numeracy			Rounding to significant figures (Ex 1.2)
24/08/2026	Converting mixed numbers to improper fractions	5.2	
	Adding fractions	5.3	
	Adding mixed numbers	5.4	
	Subtracting fractions	5.5	
Numeracy			Rounding for estimation mentally (Ex 1.3)
31/08/2026	Subtracting mixed numbers	5.6	
	Multiplying fractions	5.7	
	Multiplying mixed numbers	5.8	
	Dividing fractions	5.9	
Numeracy			Rounding in context (Ex 1.4)
07/09/2026	Dividing mixed numbers	5.1	
	Fractions with powers and roots	5.11	
	Expressing a percentage as a fraction and vice-versa	6.1	
	Expressing a percentage as a decimal and vice-versa	6.2	
Numeracy			Simple operations (Ex 2.1)
14/09/2026	Calculating a percentage of a number or quantity	6.3	

	Calculating percentage increase/decrease	6.4	
	Using percentage increase/decrease	6.5	
Numeracy			Operations involving powers (Ex 2.2)
	<u>SEPTEMBER WEEKEND</u>		
21/09/2026	<u>SEPTEMBER WEEKEND</u>		
	Multiplication and division of decimals	7.1	
	Expressing fractions as a decimal and vice-versa	7.2	
	Writing numbers as fractions, decimals and percentages	7.3	
Numeracy			Operations involving brackets (Ex 2.3)
28/09/2026	Calculations involving fractions, decimals and percentages	7.4	
	Ratios	8.1	
	Direct proportion	8.2	
	Inverse (indirect) proportion	8.3	
Numeracy			Changing from normal to standard form (Ex 4.1)
05/10/2026	Single currency conversions	12.1	
	Multiple currency conversions	12.2	
	Buying products in different currencies	12.3	
	Time intervals	13.1	
Numeracy			Changing from standard to normal form (Ex 4.2)
12/10/2026	Crossing time zones	13.2	
	Converting distance units	14.1	
	Converting time units	14.2	
	Converting speed units	14.3	
Numeracy			Standard form calculations (non-calculator) (Ex 4.3)
19/10/2026	<u>OCTOBER WEEK</u>		
26/10/2026	<u>INSET DAY</u>		
	Calculating speed	14.4	
	Calculating distance	14.5	
	Calculating time	14.6	
Numeracy			Standard form calculations (calculator) (Ex 4.4)
02/11/2026	Speed, distance & time mixed questions	14.7	

	The circumference of a circle	15.1	
	The area of a circle	15.2	
	Calculating the radius or diameter of a circle	15.3	
Numeracy			Using tolerance to calculate the limits (Ex 9.1)
09/11/2026	Arcs and sectors	15.4	
	Converting length units	16.1	
	Converting area units	16.2	
	The area of a triangle	16.3	
Numeracy			Using limits to calculate the tolerance (Ex 9.2)
16/11/2026	The area of a parallelogram	16.4	
	The area of a rhombus	16.5	
	The area of a kite	16.6	
	The area of a trapezium	16.7	
Numeracy			Using tolerance in context (Ex 9.3)
23/11/2026	The area of composite shapes	16.8	
	The surface area of a cube or cuboid	17.1	
	REVISION - FORMAL ASSESSMENT 4		
	FORMAL ASSESSMENT 4A (1-16)		
Numeracy			Reading coordinates (Ex 18.1)
30/11/2026	FORMAL ASSESSMENT 4B (1-16)		
	The surface area of a triangular prism	17.2	
	The surface area of a cylinder	17.3	
	SELF EVAL - FORMAL ASSESSMENT 4		
Numeracy			Reading coordinates in four quadrants (Ex 18.2)
07/12/2026	The volume of a prism	17.4	
	The volume of a cylinder	17.5	
	Basic gradients	19.1	
	Gradients from coordinates	19.2	
Numeracy			Plotting coordinates in four quadrants (Ex 18.3)
14/12/2026	The gradient formula	19.3	
	<u>ChrisMaths</u>		
	<u>ChrisMaths</u>		
	<u>ChrisMaths</u>		
Numeracy			ChrisMaths

21/12/2026	<u>CHRISTMAS HOLIDAYS</u>		
28/12/2026	<u>CHRISTMAS HOLIDAYS</u>		
04/01/2027	<u>CHRISTMAS HOLIDAYS</u>		
	Sketch a line from its equation	20.1	
	The equation of horizontal and vertical lines	20.2	
	The equation of a line from the gradient and y-intercept	20.3	
Numeracy			Finding numbers and describing the rule in a sequence (Ex 23.1)
11/01/2027	Parallel lines	20.4	
	Addition and subtraction of expressions	24.1	
	Multiplication of algebraic terms by letters and numbers	24.2	
	Mixed simplifying 1 – use of BIDMAS	24.3	
Numeracy			Finding the formula for the nth term in a sequence (Ex 23.2)
18/01/2027	Division of algebraic terms by letters and numbers	24.4	
	Mixed simplifying 2 – the four operations	24.5	
	Expanding single brackets	25.1	
	Expanding single brackets with negatives	25.2	
Numeracy			Using the formula for the nth term in a sequence (Ex 23.3)
25/01/2027	Expanding single brackets and simplifying	25.3	
	Expanding double brackets using letters and numbers	25.4	
	Expanding two brackets and simplifying	25.5	
	Common factors – numerical	26.1	
Numeracy			Finding a formula connecting two related terms (Ex 23.4)
01/02/2027	Common factors – algebraic	26.2	
	Simple substitution	27.1	
	Substitution into formulae	27.2	
	Solving equations $ax + b = c$	28.1	
Numeracy			
08/02/2027	<u>FEBRUARY WEEK</u>		
15/02/2027	Numbers and letters on both sides	28.2	
	Equations with rational solutions	28.3	
	Equations with brackets	28.4	
	Solving problems with equations	28.5	

Numeracy			
22/02/2027	Inequations	28.6	
	Equations with fractions	28.7	
	Further inequations	28.8	
	REVISION - FORMAL ASSESSMENT 5		
Numeracy			
01/03/2027	FORMAL ASSESSMENT 5A (17-28)		
	FORMAL ASSESSMENT 5B (17-28)		
	Squaring and finding the square root of numbers	29.1	
	SELF EVAL - FORMAL ASSESSMENT 5		
Numeracy			
08/03/2027	Calculating the hypotenuse	29.2	
	Calculating a shorter side	29.3	
	Solving trigonometric equations	30.1	
	Determining the correct ratio	30.2	
Numeracy			
15/03/2027	Finding an angle	30.3	
	Finding a side	30.4	
	Finding the harder side	30.5	
	Mixed questions	30.6	
Numeracy			
22/03/2027	Finding scale factors	31.1	
	Using scale factors	31.2	
	Similar triangles	31.3	
	<u>EASTER HOLIDAYS</u>		
29/03/2027	<u>EASTER HOLIDAYS</u>		
05/04/2027	<u>EASTER HOLIDAYS</u>		
12/04/2027	Angles between tangents and radii	32.1	
	Angles in semicircles	32.2	
	Angles in circles	32.3	
	Mixed angles	32.4	
19/04/2027	Identifying rotational symmetry	33.1	
	The order of rotational symmetry	33.2	
	Using rotational symmetry	33.3	
	Transformations by reflection	33.4	
26/04/2027	Transformations by translation	33.5	

	The mean	36.1	
	The median	36.2	
	The mode	36.3	
03/05/2027	MAY HOLIDAY		
	The range	36.4	
	Stem and leaf diagrams	36.5	
	Scattergraphs	36.6	
10/05/2027	Grouped data	36.7	
	Calculating probability	37.1	
	Calculating more complex probabilities	37.2	
	Using probability	37.3	
17/05/2027	REVISION - FORMAL ASSESSMENT 6		
	REVISION - FORMAL ASSESSMENT 6		
	REVISION - FORMAL ASSESSMENT 6		
	REVISION - FORMAL ASSESSMENT 6		
24/05/2027	FORMAL ASSESSMENT 6A		
	FORMAL ASSESSMENT 6B		
	SELF EVAL - FORMAL ASSESSMENT 3		
31/05/2027	CHANGE OF TIMETABLE - S3 SCHEME		