DIXONS BROOKLANDS ACADEMY

Y7 Mathematics

Long Term Plan 2026/2027

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Cycle 1	31/8 Data & Planning Days	7/9	14/9	21/9	28/9	5/10	12/10	2/11	9/11 Data & Planning	16/11	23/11	30/11	7/12
	Expectations Sparx	**Unit 1 Algebra** Algebraic notation	**Unit 1 Algebra** Substitution	**Unit 1 Algebra** Substitution	**Unit 1 Algebra** Simplifying	**Unit 1 Algebra** Simplifying	**Unit 1 Algebra** Solving	**Unit 1 Algebra** Solving	**Unit 1 Algebra** Sequences	**Unit 1 Algebra** Sequences	**Intervention Week**	**Unit 2 Number** Place value, inequalities and ordering	**Unit 2 Number** Four operations Inc. decimals
Cycle 2	14/12	4/1	11/1	18/1	25/1	1/2	8/2 Trust Day	22/2	1/3 Data & Planning	8/3	15/3	22/3 BH FRI	29/3 BH MON
	Unit 2 Number Four operations Inc. decimals	**Unit 2 Number** Factors and multiples	**Unit 2 Number** Factors and multiples	**Unit 2 Number** Rounding and estimation	**Unit 2 Number** Rounding and estimation Perimeter	**Unit 2 Number** Contextual Problem including Area and Perimeter	**Unit 3 Geometry** Measures	**Unit 3 Geometry** Angle types, estimating, draw and measure	**Unit 3 Geometry** Properties of Triangles and Quadrilaterals	**Unit 3 Geometry** Angle Facts	**Unit 3 Geometry** Angle Facts	**Intervention Week**	**Unit 4 Fractions** Fractions of amounts
Cycle 3	19/4	26/4	3/5 BH MON	10/5	17/5	24/5	7/6	14/6	21/6	28/6	5/7	12/7	19/7
	Unit 4 Fractions Equivalent Fractions	**Unit 4 Fractions** Four operations of Fractions	**Unit 4 Fractions** Four operations of Fractions	**Unit 4 Fractions** Order Fractions	**Unit 4 Fractions** Contextual	**Unit 5 Percentages** FDP conversion	**Unit 5 Percentages** FDP conversion	**Unit 5 Percentages** FDP conversion	**Unit 5 Percentages** Percentage of Amounts	**Unit 5 Percentages** Percentages increase and decrease	**Unit 5 Percentages** Percentages increase and decrease	**Unit 5 Percentages** Simple Interest	**Enrichment Week**

DIXONS BROOKLANDS ACADEMY

Y8 Mathematics

Long Term Plan 2026/2027

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Cycle 1	31/8 Data & Planning Days	7/9	14/9	21/9	28/9	5/10	12/10	2/11	9/11 Data & Planning	16/11	23/11	30/11	7/12
	Expectations	**Unit 6 – Probability and Statistics** Probability of an event and frequency trees	**Unit 6 – Probability and Statistics** Frequency Trees/Outcomes	**Unit 6 – Probability and Statistics** Averages and Range	**Unit 6 – Probability and Statistics** Simple Statistical Diagrams	**Unit 6 – Probability and Statistics** Pie Charts	**Unit 7 – Number** Index Laws	**Unit 7 – Number** Using powers and roots inc Powers of 10	**Unit 7 – Number** Standard Form	**Unit 7 – Number** Prime Factorisation – HCF/LCM	**Unit 7 – Number** Sets and Venn diagrams	**Unit 7 – Number** Intervention Week	**Unit 8 - Algebra** Inequalities
Cycle 2	14/12	4/1	11/1	18/1	25/1	1/2	8/2 Trust Day	22/2	1/3 Data & Planning	8/3	15/3	22/3 BH FRI	29/3 BH MON
	Unit 8 - Algebra Manipulating algebra	**Unit 8 - Algebra** Forming and Solving Equations	**Unit 8 - Algebra** Solving Equations	**Unit 8 - Algebra** Expanding and Factorising	**Unit 8 - Algebra** Expanding and Factorising/ Sequences	**Unit 8 - Algebra** Sequences	**Unit 9 – 2D Geometry** Constructions	**Unit 9 2D Geometry** Angles in parallel lines	**Unit 9 2D Geometry** Unit conversions	**Unit 9 – 2D Geometry** Area and composite shapes	**Unit 9 – 2D Geometry** Area and composite shapes	**Intervention Week**	**Unit 9 2D Geometry** Circles
Cycle 3	19/4	26/4	3/5 BH MON	10/5	17/5	24/5	7/6	14/6	21/6	28/6	5/7	12/7	19/7
	Unit 10 – Proportional Reasoning Percentage Increase and Decrease Calc	**Unit 10 – Proportional Reasoning** Percentage Increase and Decrease Non Calc	**Unit 10 Proportional Reasoning** Reverse percentages/ Interest Calculations	**Unit 10 – Proportional Reasoning** Ratio	**Unit 10 – Proportional Reasoning** Ratio	**Unit 10 – Proportional Reasoning** Compound Measures	**Unit 10 – Proportional Reasoning** Compound Measures	**Unit 11 3D Geometry** Solids' properties, nets, plans, elevations	**Unit 11 3D Geometry** Surface area	**Unit 11 3D Geometry** Surface area	**Unit 11 3D Geometry** Volume of prisms	**Unit 11 3D Geometry** Volume of cylinders *(Cones & Pyramids)*	**Enrichment Week**

DIXONS BROOKLANDS ACADEMY

Y9 Mathematics

Long Term Plan 2026/2027

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Cycle 1	31/8 Data & Planning Days	7/9	14/9	21/9	28/9	5/10	12/10	2/11	9/11 Data & Planning	16/11	23/11	30/11	7/12
	Expectations	**Unit 14 – Algebraic Expressions** Sequences	**Unit 14 – Algebraic Expressions** Expanding Polynomials	**Unit 14 – Algebraic Expressions** Factorising	**Unit 14 – Algebraic Expressions** Factorising	**Unit 14 – Algebraic Expressions** Solving Linear Equations and Linear Inequalities	**Unit 14 – Algebraic Expressions** Rearranging Formulae	**Unit 14 – Algebraic Expressions** Rearranging Formulae	**Unit 12 – Statistics** Collecting and Organising Data	**Unit 12 – Statistics** Collecting and Organising Data/Errors in Diagrams	**Unit 12 – Statistics** Averages and Range from Frequency Tables	**Unit 12 – Statistics** Frequency Diagrams	**NUMBER CATCH UP WEEK**
Cycle 2	14/12	4/1	11/1	18/1	25/1	1/2	8/2 Trust Day	22/2	1/3 Data & Planning	8/3	15/3	22/3 BH FRI	29/3 BH MON
	Unit 15 – 2D Geometry Construction and Loci	**Unit 15 – 2D Geometry** Angle Facts	**Unit 15 – 2D Geometry** Angle in Polygons	**Unit 15 – 2D Geometry** Similar Shapes	**Unit 15 – 2D Geometry** Circles	**Unit 15 – 2D Geometry** Sectors	**Unit 13 – Graphs and Proportion** Interpreting coordinates	**Unit 13 – Graphs and Proportion** Linear Graphs	**Unit 13 – Graphs and Proportion** Y = mx + c	**Unit 13 – Graphs and Proportion** Y = mx + c	**Unit 13 – Graphs and Proportion** Percentage Inc/Dec	**Unit 13 – Graphs and Proportion** Repeated Percentage Change	**Unit 13 – Graphs and Proportion** Ratio
Cycle 3	19/4	26/4	3/5 BH MON	10/5	17/5	24/5	7/6	14/6	21/6	28/6	5/7	12/7	19/7
	Unit 13 – Graphs and Proportion Proportion	**Unit 13 – Graphs and Proportion** Scales	**Unit 16 – Algebraic Graphs** Solving Inequalities	**Unit 16 – Algebraic Graphs** Inequality Regions	**Unit 16 – Algebraic Graphs** Simultaneous Equations	**Unit 16 – Algebraic Graphs** Quadratic Graphs	**Unit 17 Triangles and Transformations** Pythagoras' theorem	**Unit 17 Triangles and Transformations** Pythagoras' theorem	**Unit 17 Triangles and Transformations** Trigonometry	**Unit 17 Triangles and Transformations** Reflections and Rotations	**Unit 17 Triangles and Transformations** Translations and Enlargements	**Unit 17 Triangles and Transformations** Describing Transformations	**Intervention**

DIXONS BROOKLANDS ACADEMY

Y10 Tailored Approach Mathematics

Long Term Plan 2026/2027

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Cycle 1	31/8 Data & Planning Days	7/9	14/9	21/9	28/9	5/10	12/10	2/11	9/11 Data & Planning	16/11	23/11	30/11	7/12
	Expectations	**Unit 18 Statistics** Averages from raw & stem and leaf diagrams	**Unit 18 Statistics** Representing Data – Pictograms, Bar Charts and Line Graphs	**Unit 18 Statistics** Averages from Frequency Tables	**Unit 18 Statistics** Frequency Polygons and comparing data	**Unit 18 Statistics** Pie Charts/ Scatter Graphs	**Unit 19 Algebra and Graphs** Co-ordinates	**Unit 19 Algebra and Graphs** Line Segments	**Unit 19 Algebra and Graphs** Plotting linear graphs	**Unit 19 Algebra and Graphs** y = mx + c	**Unit 19 Algebra and Graphs** y = mx + c	**Unit 19 Algebra and Graphs** Parallel Lines and Quadratic Graphs	**Intervention Week**
Cycle 2	14/12	4/1	11/1	18/1	25/1	1/2	8/2 Trust Day	22/2	1/3 Data & Planning	8/3	15/3	22/3 BH FRI	29/3 BH MON
	Unit 20 Limits and 3D Geometry Rounding	**Unit 20 Limits and 3D Geometry** Rounding and estimating	**Unit 20 Limits and 3D Geometry** Congruence and Similarity	**Unit 20 Limits and 3D Geometry** Plans and Elevations	**Unit 20 Limits and 3D Geometry** Area of 2d shapes	**Unit 20 Limits and 3D Geometry** Circles	**Unit 20 Limits and 3D Geometry** Circles	**Unit 20 Limits and 3D Geometry** Surface Area	**Unit 20 Limits and 3D Geometry** Volume	**Intervention Week**	**Unit 21 Probability** Listing Outcomes and Probability Scales	**Unit 21 Probability** P(not) and Relative Frequency	**Unit 21 Probability** Probability diagrams – freq trees, 2-way tables and sample
Cycle 3	19/4	26/4	3/5 BH MON	10/5	17/5	24/5	7/6	14/6	21/6	28/6	5/7	12/7	19/7
	Unit 21 Probability Independent events, probability of combined events (and/or rules), conditional events	**Unit 21 Probability** Independent events, probability of combined events (and/or rules), conditional events	**Unit 21 Probability** Venn Diagrams	**Unit 22 Number** Ordering integers, fractions, and decimals. Four operations (integers and decimals), working with money.	**Unit 22 Number** Indices and index laws (multiply, divide, brackets, basic negative)	**Unit 22 Number** Standard Form	**Unit 22 Number** Factors, multiples, HCF and LCM, Prime factorisation (include HCF and LCM)	**Unit 22 Number** Factors, multiples, HCF and LCM, Prime factorisation (include HCF and LCM)	**Unit 22 Number** Four operations with fractions (Inc. simplifying and converting to mixed number)	**Unit 23 Algebra** Simplifying Expressions	**Unit 23 Algebra** Substitution and Rearranging Formulae	**Unit 23 Algebra** Expanding Brackets	**Intervention**

DIXONS BROOKLANDS ACADEMY

Y10 Mathematics

Long Term Plan 2026/2027

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Cycle 1	31/8 Data & Planning Days	7/9	14/9	21/9	28/9	5/10	12/10	2/11	9/11 Data & Planning	16/11	23/11	30/11	7/12
	Expectations	**Unit 18 Probability and Statistics** Experimental probability and Probability of combined events	**Unit 18 Probability and Statistics** Experimental probability and Probability of combined events	**Unit 18 Probability and Statistics** MMMR from a frequency table	**Unit 18 Probability and Statistics** Cumulative frequency and box plots	**Unit 18 Probability and Statistics** Cumulative frequency and box plots	**Unit 18 Probability and Statistics** Compound measures	**Unit 18 Probability and Statistics** Compound measures	**Unit 19 Algebra Graphs** Line segments	**Unit 19 Algebra Graphs** Line segments/ Plotting functions	**Unit 19 Algebra Graphs** Equation of a Line	**Unit 19 Algebra Graphs** Parallel & Perpendicular Lines	**Unit 19 Algebra Graphs** Expanding and Factorising
Cycle 2	14/12	4/1	11/1	18/1	25/1	1/2	8/2 Trust Day	22/2	1/3 Data & Planning	8/3	15/3	22/3 BH FRI	29/3 BH MON
	Unit 19 Algebra Graphs Sketching Quadratics	**Unit 19 Algebra Graphs** Sketching Quadratics	**Unit 19 Algebra Graphs** Gradients of and area under curves	**Unit 20 Limits and 3D Geometry** Rounding and estimating	**Unit 20 Limits and 3D Geometry** Bounds of accuracy	**Unit 20 Limits and 3D Geometry** Volume and S.A	**Unit 20 Limits and 3D Geometry** Volume and S.A	**Unit 20 Limits and 3D Geometry** Plans and Elevations/ Rates of Flow	**Unit 20 Limits and 3D Geometry** Trigonometry	**Intervention Week**	**Unit 21 Probability** Outcomes Inc. product rule and sample space	**Unit 21 Probability** Capture/ Recapture and Set Notation	**Unit 21 Probability** Venn Diagrams
Cycle 3	19/4	26/4	3/5 BH MON	10/5	17/5	24/5	7/6	14/6	21/6	28/6	5/7	12/7	19/7
	Unit 21 Probability Probability of combined events	**Unit 21 Probability** Conditional probability	**Unit 22 Number** Index laws Inc. equations, fractional and negative	**Unit 22 Number** Index laws Inc. equations, fractional and negative	**Unit 22 Number** Standard Form and Recurring Decs	**Unit 22 Number** Interest Inc. growth and decay	**Unit 22 Number** Interest Inc. growth and decay	**Unit 22 Number** Surds	**Unit 22 Number** Surds	**Unit 22 Number** Ratio	**Unit 22 Number** Surds	**Unit 23** Algebra Triple Brackets	**Intervention Week**

DIXONS BROOKLANDS ACADEMY

Y11 Foundation Mathematics

Long Term Plan 2026/2027

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Cycle 1	31/8 Data & Planning Days	7/9	14/9	21/9	28/9	5/10	12/10	2/11	9/11 Data & Planning	16/11	23/11	30/11	7/12
	Expectations	Ordering FDP Product of primes, HCF and LCM Fractions	Standard form Error intervals and truncation	Simplifying expressions Expand brackets	Factorise linear expressions Solve equations	Factorise quadratics Index laws	Inequalities Converting units	Graphs and Charts	MOCKS TBC	MOCKS TBC	Probability and Frequency Trees	Transformations	Sequences
Cycle 2	14/12	4/1	11/1	18/1	25/1	1/2	8/2 Trust Day	22/2	1/3 Data & Planning	8/3	15/3	22/3 BH FRI	29/3 BH MON
	Ratio	Averages from Tables	Angle Facts	Angles on parallel lines and polygons	Percentages	Percentages	Linear Graphs and Quadratic Graphs	Area inc Circles	MOCKS TBC	MOCKS TBC	Volume and Surface Area	Probability Trees	Compound Measures
Cycle 3	19/4	26/4	3/5 BH MON	10/5	17/5	24/5	7/6	14/6	21/6	28/6	5/7	12/7	19/7
	Pythagoras & Trigonometry	Rearranging Formulae & Equation of Line	Similar Shapes/Column Vectors	Constructions & Simultaneous Equations	**EXAMS**	**EXAMS**	**EXAMS**	**EXAMS**					

DIXONS BROOKLANDS ACADEMY

Y11 Higher Mathematics

Long Term Plan 2026/2027

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Cycle 1	31/8 Data & Planning Days	7/9	14/9	21/9	28/9	5/10	12/10	2/11	9/11 Data & Planning	16/11	23/11	30/11	7/12
	Expectations	Index Laws HCF/LCM	Sampling Combinations Recurring Decimals	Bounds and Units	Standard Form Solving Equations inc Inequalities	Factorising Quadratics inc Solving	Graphs Probability Trees	CF & Box Averages From Table Reverse Mean	MOCKS TBC	MOCKS TBC	Ratio & Percentages	Direct and Inverse Proportion	Equation of a Line
Cycle 2	14/12	4/1	11/1	18/1	25/1	1/2	8/2 Trust Day	22/2	1/3 Data & Planning	8/3	15/3	22/3 BH FRI	29/3 BH MON
	Simultaneous Equations	Surds	Completing the square Quadratic Formula	Pythagoras & Trigonometry	Pythagoras & Trigonometry	Sequences Complex Ratio	Similar Shapes	Functions	MOCKS TBC	MOCKS TBC	Angles Circles	Volume & Surface Area	Compound Measures
Cycle 3	19/4	26/4	3/5 BH MON	10/5	17/5	24/5	7/6	14/6	21/6	28/6	5/7	12/7	19/7
	Transformations	DT/VT Graphs	Algebraic Fractions Algebraic Proof	Venn Diagrams Histograms	EXAMS	EXAMS	EXAMS	EXAMS					

DIXONS BROOKLANDS ACADEMY

Y11 Higher + Mathematics

Long Term Plan 2026/2027

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Cycle 1	31/8 Data & Planning Days	7/9	14/9	21/9	28/9	5/10	12/10	2/11	9/11 Data & Planning	16/11	23/11	30/11	7/12
	Expectations	Index Laws Sampling	Recurring Decimals and Bounds	Standard Form Equations inc Quadratics	Graphs Graphing Inequalities	Tangents to a Circle Transformations	CF & Box Averages From Table Reverse Mean	Ratio & Percentages	Mocks TBC	Mocks TBC	Algebraic proportion and proof	Equation of a Line	Sketching quadratic graphs
Cycle 2	14/12	4/1	11/1	18/1	25/1	1/2	8/2 Trust Day	22/2	1/3 Data & Planning	8/3	15/3	22/3 BH FRI	29/3 BH MON
	Probability	Simultaneous Equations	Surds Iteration	Trigonometry	Graphing Transformations/ Trig graphs	Circle Theorems	Circle Theorems	Similar Shapes Sequences	Mocks TBC	Mocks TBC	Functions	Circles Volume & SA	Volume & SA
Cycle 3	19/4	26/4	3/5 BH MON	10/5	17/5	24/5	7/6	14/6	21/6	28/6	5/7	12/7	19/7
	Venn/ Histograms	DT/VT Graphs	Algebraic Fractions Congruency		**EXAMS**	**EXAMS**	**EXAMS**	**EXAMS**					