

Y7 Mathematics

Long Term Plan 2024/2025

	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	26/8 Data & Planning Days	2/9	9/9	16/9	23/9	30/9	7/10	14/10	4/11 Reset	11/11 Data & Planning days	18/11 Intervention Weeks	25/11 Intervention Weeks	2/12
	Expectations Spark	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	Unit 2 Number Place value, inequalities and ordering	Unit 2 Number Four operations Inc. decimals	Unit 2 Number Four operations Inc. decimals
Cycle 2	9/12	16/12	6/1 Reset	13/1	20/1	27/1	3/2	10/2 Trust Day	24/2	3/3 Data & Planning Days	10/3 Intervention Weeks	17/3 Intervention Weeks	24/3
	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	Unit 2 Number Contextual Problem including Area and Perimeter	Unit 2 Number Contextual Problem including Area and Perimeter	Unit 3 Geometry Measures	Unit 3 Geometry Draw and Measure Angles	Unit 3 Geometry Properties of Triangles and Quadrilaterals	Unit 3 Geometry Properties of Triangles and Quadrilaterals	Unit 3 Geometry Angle Facts	Unit 3 Geometry Angle Facts
Cycle 3	31/3	21/4 BH MON	28/4	5/5 BH MON	12/5	19/5	2/6 Re-induction	9/6	16/6	23/6	30/6	7/7	14/7
	Unit 4 Fractions Fractions of	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 Percentage	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	Intervention

Y8 Mathematics

Long Term Plan 2024/2025

	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	26/8 Data & Planning Days	2/9	9/9	16/9	23/9	30/9	7/10	14/10	4/11 Reset	11/11 Data & Planning days	18/11 Intervention Weeks	25/11 Intervention Weeks	2/12
	Expectations	Unit 6 – Probability and Statistics Probability of an event and frequency trees	Unit 6 – Probability and Statistics Probability of an event and frequency trees	Unit 6 – Probability and Statistics 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 <i>(Pythagoras)</i>	Unit 7 – Number Standard Form	Unit 7 – Number Prime Factorisation – HCF/LCM	Unit 7 – Number Prime Factorisation – HCF/LCM Sets	Unit 8 - Algebra Inequalities
Cycle 2	9/12	16/12	6/1 Reset	13/1	20/1	27/1	3/2	10/2 Trust Day	24/2	3/3 Data & Planning Days	10/3 Intervention Weeks	17/3 Intervention Weeks	24/3
	Unit 8 - Algebra Manipulating algebra	Unit 8 - Algebra Manipulating algebra	Unit 8 - Algebra Manipulating algebra	Unit 8 - Algebra 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 Finding unknown angles	Unit 9 – 2D Geometry Finding unknown angles/Units	Unit 9 – 2D Geometry Area and composite shapes	Unit 9 – 2D Geometry Area and composite shapes
Cycle 3	31/3	21/4 BH MON	28/4	5/5 BH MON	12/5	19/5	2/6 Re-induction	9/6	16/6	23/6	30/6	7/7	14/7
	Unit 9 – 2D Geometry Circles	Unit 10 – Proportional Reasoning Percentage Increase and Decrease	Unit 10 – Proportional Reasoning Percentage Increase and Decrease	Unit 10 – Proportional Reasoning Reverse percentages	Unit 10 – Proportional Reasoning Interest Calculations	Unit 10 – Proportional Reasoning Ratio	Unit 10 – Proportional Reasoning Ratio	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 Volume of prisms	Unit 11 3D Geometry Volume of prisms	Unit 11 3D Geometry Volume of cylinders <i>(Cones & Pyramids)</i>

Y9 Mathematics

Long Term Plan 2024/2025

	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	26/8 Data & Planning Days	2/9	9/9	16/9	23/9	30/9	7/10	14/10	4/11 Reset	11/11 Data & Planning days	18/11 Intervention Weeks	25/11 Intervention Weeks	2/12
	Expectations	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 a prism	Unit 11 – 3D Geometry Volume of a prism	Unit 11 – 3D Geometry Cylinders <i>(Cones & Pyramids)</i>	Unit 12 – Statistics Collecting and Organising Data	Unit 12 – Statistics Collecting and Organising Data 2	Unit 12 – Statistics Interpreting and Comparing Data	Unit 12 – Statistics Averages and Range from Frequency Tables	Unit 12 – Statistics Frequency Diagrams <i>(Histograms)</i>	Unit 12 – Statistics Errors in Statistical Diagrams
Cycle 2	9/12	16/12	6/1 Reset	13/1	20/1	27/1	3/2	10/2 Trust Day	24/2	3/3 Data & Planning Days	10/3 Intervention Weeks	17/3 Intervention Weeks	24/3
	Unit 13 – Graphs and Proportion Interpreting coordinates	Unit 13 – Graphs and Proportion Linear functions	Unit 13 – Graphs and Proportion Direct Proportion	Unit 13 – Graphs and Proportion Inverse Proportion	Unit 13 – Graphs and Proportion Scales	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 Inequalities and Quadratic Equations	Unit 14 – Algebraic Expressions Transposing Formulae	Unit 14 – Algebraic Expressions Transposing Formulae	Unit 15 – 2D Geometry Construction and Loci
Cycle 3	31/3	21/4 BH MON	28/4	5/5 BH MON	12/5	19/5	2/6 Re-induction	9/6	16/6	23/6	30/6	7/7	14/7
	Unit 15 – 2D Geometry Angle Facts	Unit 15 – 2D Geometry Angle Facts	Unit 15 – 2D Geometry Congruency & Similar Shapes <i>(Similar Area and Volumes)</i>	Unit 15 – 2D Geometry Arcs and Sectors	Unit 15 – 2D Geometry Arcs and Sectors	Unit 16 – Algebraic Graphs Inequalities <i>(Regions)</i>	Unit 16 – Algebraic Graphs Revision	Unit 16 – Algebraic Graphs Simultaneous Equations	Unit 16 – Algebraic Graphs Simultaneous Equations	Unit 16 – Algebraic Graphs Simultaneous Equations	Unit 16 – Algebraic Graphs Quadratic Graphs	Unit 16 – Algebraic Graphs Other Graphs	Intervention

Y10 Tailored Approach Mathematics

Long Term Plan 2024/2025

	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	26/8 Data & Planning Days	2/9	9/9	16/9	23/9	30/9	7/10	14/10	4/11 Reset	11/11 Data & Planning days	18/11 Intervention Weeks	25/11 Intervention Weeks	2/12
	Expectations	Unit 17 Triangles and Transformations Pythagoras' theorem	Unit 17 Triangles and Transformations Pythagoras' theorem Inc. 3D	Unit 17 Triangles and Transformations Trigonometry	Unit 17 Triangles and Transformations Trigonometry	Unit 17 Triangles and Transformations Reflection, Translation and Rotation	Unit 17 Triangles and Transformations Enlargements	Unit 17 Triangles and Transformations Mixed Transformations	Unit 18 Statistics Averages from raw and grouped data, compare data sets	Unit 18 Statistics Representing Data	Unit 18 Statistics Statistical Diagrams	Unit 18 Statistics Frequency Polygons and comparing data	Unit 18 Statistics Scatter Graphs
Cycle 2	9/12	16/12	6/1 Reset	13/1	20/1	27/1	3/2	10/2 Trust Day	24/2	3/3 Data & Planning Days	10/3 Intervention Weeks	17/3 Intervention Weeks	24/3
	Unit 19 Algebra and Graphs Co-ordinates	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	Unit 20 Limits and 3D Geometry Rounding and Estimating	Unit 20 Limits and 3D Geometry Rounding and Estimating	Unit 20 Limits and 3D Geometry Congruency and Similar Shapes	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 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
Cycle 3	31/3	21/4 BH MON	28/4	5/5 BH MON	12/5	19/5	2/6 Re-induction	9/6	16/6	23/6	30/6	7/7	14/7
	Unit 20 Limits and 3D Geometry Volume	Unit 20 Limits and 3D Geometry Volume	Unit 21 Probability Sampling, scales, single events, not happening, bias and sample space	Unit 21 Probability List outcomes, product rule, theoretical / experimental, expected frequency	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)	Assessments	Unit 22 Number Standard Form	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 22 Number Intervention

Y10 Mathematics

Long Term Plan 2024/2025

	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	26/8 Data & Planning Days	2/9	9/9	16/9	23/9	30/9	7/10	14/10	4/11 Reset	11/11 Data & Planning days	18/11 Intervention Weeks	25/11 Intervention Weeks	2/12
	Expectations	Unit 17 Triangles and Transformations Pythagoras' theorem Inc. 3D	Unit 17 Triangles and Transformations Pythagoras' theorem Inc. 3D	Unit 17 Triangles and Transformations Trigonometry	Unit 17 Triangles and Transformations Trigonometry (Inc. graphs)	Unit 17 Triangles and Transformations Reflection, Translation and Rotation	Unit 17 Triangles and Transformations Enlargement, Inc. negative and fractional	Unit 17 Triangles and Transformations Mixed Transformations	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 Compound measures	Unit 18 Probability and Statistics Compound measures
Cycle 2	9/12	16/12	6/1 Reset	13/1	20/1	27/1	3/2	10/2 Trust Day	24/2	3/3 Data & Planning Days	10/3 Intervention Weeks	17/3 Intervention Weeks	24/3
	Unit 19 Algebra Graphs Line segments	Unit 19 Algebra Graphs Equation of a line from coordinates	Unit 19 Algebra Graphs Parallel and perpendicular lines	Unit 19 Algebra Graphs Sketching quadratics Gradient of and area under curves	Unit 19 Algebra Graphs Sketching quadratics Gradient 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 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 Volume and S.A	Unit 20 Limits and 3D Geometry Plans and Elevations	Unit 20 Limits and 3D Geometry 3D Geometry Applications
Cycle 3	31/3	21/4 BH MON	28/4	5/5 BH MON	12/5	19/5	2/6 Re-induction	9/6	16/6	23/6	30/6	7/7	14/7
	Unit 21 Probability Outcomes Inc. product rule and sample space	Unit 21 Probability Understanding and using sampling	Unit 21 Probability Venn diagrams	Unit 21 Probability Probability of combined events	Unit 21 Probability Conditional probability	Unit 21 Probability Conditional probability	Unit 22 Number Index laws Inc. equations, fractional and negative	Unit 22 Number Standard form calculations	Assessments	Unit 22 Number Interest Inc. growth and decay	Unit 22 Number Surds	Unit 22 Number Surds	Unit 22 Number Surds

Y11 Tailored Approach Mathematics

Long Term Plan 2024/2025

	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	26/8 Data & Planning Days	2/9	9/9	16/9	23/9	30/9	7/10	14/10	4/11 Reset	11/11 Data & Planning days	18/11 Intervention Weeks	25/11 Intervention Weeks	2/12
	Expectations	Unit 23 Algebra Forming expressions Simplifying terms	Unit 23 Algebra Substitution	Unit 23 Algebra Transposing formula	Unit 23 Algebra Expanding	Unit 23 Algebra Factorising	Unit 23 Algebra Solving Equations	Unit 23 Algebra Solving Equations and Simultaneous Equations	Unit 23 Algebra Forming Equations	Unit 23 Algebra Inequalities	Unit 23 Algebra Sequences	Unit 23 Algebra Catch Up	Unit 24 2D Geometry Angle Facts
Cycle 2	9/12	16/12	6/1 Reset	13/1	20/1	27/1	3/2	10/2 Trust Day	24/2	3/3 Data & Planning Days	10/3 Intervention Weeks	17/3 Intervention Weeks	24/3
	Unit 24 2D Geometry Angle on Parallel Lines and Polygons	Unit 24 2D Geometry Loci & Bearings	Unit 24 2D Geometry Compound Measures	Unit 24 2D Geometry Area & Volume Revision	Unit 25 Proportional Reasoning Number Revision (factors, multiples)	Unit 25 Proportional Reasoning Fractions	Unit 25 Proportional Reasoning Percentage Inc/Dec	Unit 25 Proportional Reasoning Percentage Change	Unit 25 Proportional Reasoning Reverse Percentage Proportion	Unit 25 Proportional Reasoning Proportion	Unit 25 Proportional Reasoning Ratio	Unit 25 Proportional Reasoning Ratio	Revision Stats
Cycle 3	31/3	21/4 BH MON	28/4	5/5 BH MON	12/5	19/5	2/6 Re-induction	9/6	16/6	23/6	30/6	7/7	14/7
	REVISION Probability	REVISION Graphs	REVISION Exam Practice	REVISION Exam Practice	EXAMS	EXAMS	EXAMS	EXAMS	EXAMS				

Y11 Mathematics

Long Term Plan 2024/2025

	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	26/8 Data & Planning Days	2/9	9/9	16/9	23/9	30/9	7/10	14/10	4/11 Reset	11/11 Data & Planning days	18/11 Intervention Weeks	25/11 Intervention Weeks	2/12
	Expectations	Unit 22 Number Index Laws	Unit 22 Number Standard Form	Unit 22 Number Growth and Decay	Unit 22 Number Surds	Unit 22 Number Surds	Unit 22 Number Ratio	Unit 24 2D Geometry Trigonometry Graphs	Unit 24 2D Geometry Trigonometry Non-right angled triangles	Unit 24 2D Geometry Bearings	Unit 24 2D Geometry Loci	Unit 24 2D Geometry Vectors	Unit 24 2D Geometry Vectors
Cycle 2	9/12	16/12	6/1 Reset	13/1	20/1	27/1	3/2	10/2 Trust Day	24/2	3/3 Data & Planning Days	10/3 Intervention Weeks	17/3 Intervention Weeks	24/3
	Unit 23 Harder Algebra Algebraic Fractions	Unit 23 Harder Algebra Algebraic Fractions	Unit 23 Harder Algebra Solving Quadratics	Unit 23 Harder Algebra Solving Quadratics	Unit 23 Harder Algebra Quadratic Graphs	Unit 23 Harder Algebra Non-linear simultaneous equations	Unit 25 Number & Algebra Iteration	Unit 25 Number & Algebra Graphing Proportion	Unit 25 Number & Algebra Graphing Proportion	Unit 25 Number & Algebra Circle Theorems	Unit 25 Number & Algebra Circle Functions and Tangents	Unit 25 Number & Algebra Quadratic nth term	Unit 25 Number & Algebra Transformation of functions
Cycle 3	31/3	21/4 BH MON	28/4	5/5 BH MON	12/5	19/5	2/6 Re-induction	9/6	16/6	23/6	30/6	7/7	14/7
	Unit 25 Number & Algebra Quadratic Inequalities	Unit 25 Number & Algebra Algebraic and geometric proof	Unit 25 Number & Algebra Functions	REVISION	REVISION	EXAMS	EXAMS	EXAMS	EXAMS				