

Year 9 *Mathematics* – (1-2) Long Term Plan 2018-19

	Week 1 3 Sept.	Week 2 10 Sept.	Week 3 17 Sept.	Week 4 24 Sept.	Week 5 1 Oct.	Week 6 8 Oct.	Week 7 15 Oct.	Week 8 22 Oct.	
Term 1	Basic Number Place value Decimals Addition Subtraction	Basic Number Long multiplication Long Division Powers of 10 FBI	Basic Algebra Function machines Simplifying expressions + -	Basic Algebra Simplifying expressions $\times \div$ Substitution Equations FBI	Shape Name and sketch 2D/3D Perimeter Converting units	Shape Area Volume FBI	Assessment And Therapy	Assessment And Therapy WIN on ASSESSMENT	
	Week 1 5 Nov.	Week 2 12 Nov.	Week 3 19 Nov.	Week 4 26 Nov.	Week 5 3 Dec.	Week 6 10 Dec.	Week 7 17 Dec.		
Term 2	Number Scales/charts Time Order of operations	Number Negative numbers Fractions FDP FBI	Data Handling Sampling Bar charts Grouped frequency	Data Handling Pictograms Pie charts Scatter graphs FBI	Shape Basic angles Angle Properties Angles in triangles	Assessment And Therapy WIN on ASSESSMENT	Assessment And Therapy		
	Week 1 7 Jan.	Week 2 14 Jan.	Week 3 21 Jan.	Week 4 28 Jan.	Week 5 4 Feb.	Week 6 11 Feb.			
Term 3	Algebra Solving equations Forming Expressions Forming equations	Data Handling Mode & Median Frequency tables Mean & range FBI	Shape Line of Symmetry Rotational symmetry Reflections Enlargements	Data Handling Translations Rotation Tessellation Measuring FBI	Data Handling Probability scales Probabilities Two-way tables	Assessment And Therapy WIN on ASSESSMENT			
	Week 1 25 Feb.	Week 2 4 Mar.	Week 3 11 Mar.	Week 4 18 Mar.	Week 5 25 Mar.	Week 6 1 April			
Term 4	Number Percentages calc and non-calc % increase/decrease	Number Rounding & estimating Proportion FBI	Algebra Simplifying expressions Substitution Solving equations	Geometry Constructions Plans & Elevations Scales FBI	Assessment And Therapy	Assessment And Therapy WIN on ASSESSMENT			
	Week 1 22 April	Week 2 29 April	Week 3 6 May	Week 4 13 May	Week 5 20 May				
Term 5	Algebra Sequences Coordinates	Number Negative numbers (order) (Four operations) FBI	Geometry Naming parts of a circle Area of a circle Circumference	Data Handling Stem & leaf diagram Average from tables FBI	Assessment And Therapy				
	Week 1 3 June	Week 2 10 June	Week 3 17 June	Week 4 24 June	Week 5 1 July	Week 6 8 July	Week 7 15 July		
Term 6	Algebra Graphs (straight lined) (Distance-time)	Algebra Inequalities Substitution Solving equations FBI	Data Handling Relative frequencies Two-way tables	Geometry Angle properties Angles in triangles FBI	Assessment And Therapy	Assessment And Therapy WIN on ASSESSMENT	Assessment And Therapy		

Year 9 *Mathematics* – (2-4) Long Term Plan 2018-19

	Week 1 3 Sept.	Week 2 10 Sept.	Week 3 17 Sept.	Week 4 24 Sept.	Week 5 1 Oct.	Week 6 8 Oct.	Week 7 15 Oct.	Week 8 22 Oct.	
Term 1	Basic Number Place value Four operations Long multiplication	Basic Number Long Division Types of number Multiples & Factors Primes FBI	Basic Algebra Simplifying expressions Expanding brackets	Basic Algebra Factorising Substitution FBI	Shape Area Perimeter	Shape Volume Surface area FBI	Assessment And Therapy	Assessment And Therapy WIN on ASSESSMENT	
	Week 1 5 Nov.	Week 2 12 Nov.	Week 3 19 Nov.	Week 4 26 Nov.	Week 5 3 Dec.	Week 6 10 Dec.	Week 7 17 Dec.		
Term 2	Number Order of operations Negative numbers Fractions	Number FDP +/- Fractions X fractions FBI	Data Handling Sampling Bar charts Grouped frequency	Data Handling Comparing data Pie charts Scatter graphs FBI	Shape Angle properties Angles in triangles Angles in polygons	Assessment And Therapy WIN on ASSESSMENT	Assessment And Therapy		
	Week 1 7 Jan.	Week 2 14 Jan.	Week 3 21 Jan.	Week 4 28 Jan.	Week 5 4 Feb.	Week 6 11 Feb.			
Term 3	Algebra Solving equations Forming expressions Forming equations	Data Handling Two-way tables MMMR Frequency tables FBI	Shape Lines of Symmetry Rotational symmetry Reflections Enlargements	Shape Translation Tessellation/rotation Bearings Constructions FBI	Data Handling Probabilities Two-way tables	Assessment And Therapy WIN on ASSESSMENT			
	Week 1 25 Feb.	Week 2 4 Mar.	Week 3 11 Mar.	Week 4 18 Mar.	Week 5 25 Mar.	Week 6 1 April			
Term 4	Number Round & estimate Proportion ratio	Number Expressing fractions +/- fractions x / ÷ fractions FDP FBI	Algebra Form & Solve Equations Change of subject Laws of indices	Geometry Construct triangles Plans & Elevations Pythagoras FBI	Assessment And Therapy	Assessment And Therapy WIN on ASSESSMENT			
	Week 1 22 April	Week 2 29 April	Week 3 6 May	Week 4 13 May	Week 5 20 May				
Term 5	Algebra Sequences Coordinates	Number Negative numbers (order) (Four operations) FBI	Geometry Naming parts of a circle Area of a circle Circumference	Data Handling Stem & leaf diagram Average from tables FBI	Assessment And Therapy				
	Week 1 3 June	Week 2 10 June	Week 3 17 June	Week 4 24 June	Week 5 1 July	Week 6 8 July	Week 7 15 July		
Term 6	Algebra Straight line graphs	Algebra Distance-time graphs Inequalities FBI	Data Handling Relative frequencies Two-way tables	Geometry Angle properties Angles in triangles FBI	Assessment And Therapy	Assessment And Therapy WIN on ASSESSMENT	Assessment And Therapy		

Year 9 *Mathematics* – (3-5) Long Term Plan 2018-19

	Week 1 3 Sept.	Week 2 10 Sept.	Week 3 17 Sept.	Week 4 24 Sept.	Week 5 1 Oct.	Week 6 8 Oct.	Week 7 15 Oct.	Week 8 22 Oct.
Term 1	Basic Number Multiplication & Division Types of numbers HCF/LCM	Basic Number Indices Order of operations Standard form standard form $x \div FBI$	Basic Algebra Simplifying Brackets Factorising Substitution	Basic Algebra Substitution Solving equations Forming Equations FBI	Shape Area & Perimeter Area & Volume	Shape Surface area Volume Angle properties FBI	Assessment And Therapy	Assessment And Therapy WIN on ASSESSMENT
	Week 1 5 Nov.	Week 2 12 Nov.	Week 3 19 Nov.	Week 4 26 Nov.	Week 5 3 Dec.	Week 6 10 Dec.	Week 7 17 Dec.	
Term 2	Number FDP Mixed numbers $+x \div$ fractions	Number Round & estimate $+/-$ standard form Calc & Non-clac FBI	Data Handling Sampling Bar chart/pictogram Grouped frequency Comparing data	Data Handling Pie charts Cumulative frequency Box plots FBI	Shape Angles in triangles Angles in polygons Circles	Assessment And Therapy WIN on ASSESSMENT	Assessment And Therapy	
	Week 1 7 Jan.	Week 2 14 Jan.	Week 3 21 Jan.	Week 4 28 Jan.	Week 5 4 Feb.	Week 6 11 Feb.		
Term 3	Algebra Forming equations Change of subject Laws of indices Expand quadratics	Data Handling Two-way tables Frequency tables Estimating using data FBI	Shape Symmetry Reflection Enlargement translation	Data Handling Tessellation/rotation Bearings Constructions FBI	Data Handling Probability Tree diagrams	Assessment And Therapy WIN on ASSESSMENT		
	Week 1 25 Feb.	Week 2 4 Mar.	Week 3 11 Mar.	Week 4 18 Mar.	Week 5 25 Mar.	Week 6 1 April		
Term 4	Number Ratio & fractions FDP Compound units Similar shapes	Number Direct proportion Inverse proportion Growth & Decay Bounds FBI	Algebra Quadratic factorise Simultaneous Equations Gradient of a line	Geometry Plans & Elevation Pythagoras Trigonometry FBI	Assessment And Therapy	Assessment And Therapy WIN on ASSESSMENT		
	Week 1 22 April	Week 2 29 April	Week 3 6 May	Week 4 13 May	Week 5 20 May			
Term 5	Algebra Sequences Straight line graphs	Number % increase/decrease Reverse Percentages FBI	Geometry Understanding and using Vectors	Data Handling Averages from tables Histograms FBI	Assessment And Therapy			
	Week 1 3 June	Week 2 10 June	Week 3 17 June	Week 4 24 June	Week 5 1 July	Week 6 8 July	Week 7 15 July	
Term 6	Algebra Distance-time graph Quadratic graphs Cubic graphs	Algebra Inequalities Change of subject FBI	Data Handling Probability Tree diagrams (Independent/dependent)	Geometry Angles in triangles Angles in polygons Circles FBI	Assessment And Therapy	Assessment And Therapy WIN on ASSESSMENT	Assessment And Therapy	

Year 9 *Mathematics* – (4-7) Long Term Plan 2018-19

	Week 1 3 Sept.	Week 2 10 Sept.	Week 3 17 Sept.	Week 4 24 Sept.	Week 5 1 Oct.	Week 6 8 Oct.	Week 7 15 Oct.	Week 8 22 Oct.
Term 1	Basic Number + - x ÷ with negatives Order of operations HCF/LCM	Basic Number Indices Fractional indices Standard form x ÷ FBI	Basic Algebra Substitution Solving equations Form & Solve Equations	Basic Algebra Form & Solve equations Change of subject Laws of indices FBI	Shape Area & Perimeter Surface area & Volume	Shape Volume Congruency & similarity FBI	Assessment And Therapy	Assessment And Therapy WIN on ASSESSMENT
	Week 1 5 Nov.	Week 2 12 Nov.	Week 3 19 Nov.	Week 4 26 Nov.	Week 5 3 Dec.	Week 6 10 Dec.	Week 7 17 Dec.	
Term 2	Number +x÷ fractions FDP Recurring decimals	Number Estimation Bounds Standard form FBI	Data Handling Sampling Bar charts Grouped frequency Histograms	Data Handling Scatter graphs Cumulative frequency Box-plots FBI	Shape Angles in polygons Circles Circle theorems	Assessment And Therapy WIN on ASSESSMENT	Assessment And Therapy	
	Week 1 7 Jan.	Week 2 14 Jan.	Week 3 21 Jan.	Week 4 28 Jan.	Week 5 4 Feb.	Week 6 11 Feb.		
Term 3	Algebra Quadratics expand Quadratics factorise Algebraic fractions Simultaneous equations	Data Handling Two-way tables MMMR tables Estimating using data FBI	Shape Transformations Bearings Loci & constructions	Shape Plans & Elevations Pythagoras Trigonometry FBI	Data Handling Probability Tree diagrams (Independent/dependent)	Assessment And Therapy WIN on ASSESSMENT		
	Week 1 25 Feb.	Week 2 4 Mar.	Week 3 11 Mar.	Week 4 18 Mar.	Week 5 25 Mar.	Week 6 1 April		
Term 4	Number Compound units Similar shapes Direct Proportion Inverse Proportion	Number Growth & Decay Gradient of a straight line Surd FBI	Algebra Simultaneous equations Quadratic formula Complete the square	Geometry Area of a triangle Sine rule Cosine rule FBI	Assessment And Therapy	Assessment And Therapy WIN on ASSESSMENT		
	Week 1 22 April	Week 2 29 April	Week 3 6 May	Week 4 13 May	Week 5 20 May			
Term 5	Algebra Sequences Quadratics sequences Straight line graphs	Number Percentages (increase & decrease) Reverse percentages FBI	Geometry Vectors	Data Handling Grouped frequency Histogram FBI	Assessment And Therapy			
	Week 1 3 June	Week 2 10 June	Week 3 17 June	Week 4 24 June	Week 5 1 July	Week 6 8 July	Week 7 15 July	
Term 6	Algebra Graphs (Quadratic, cubic, reciprocal, exponential)	Algebra Inequalities Distance-time graphs FBI	Data Handling Graphical transformations Trigonometric graphs	Geometry Angles in polygons Circles Circle theorems FBI	Assessment And Therapy	Assessment And Therapy WIN on ASSESSMENT	Assessment And Therapy	

