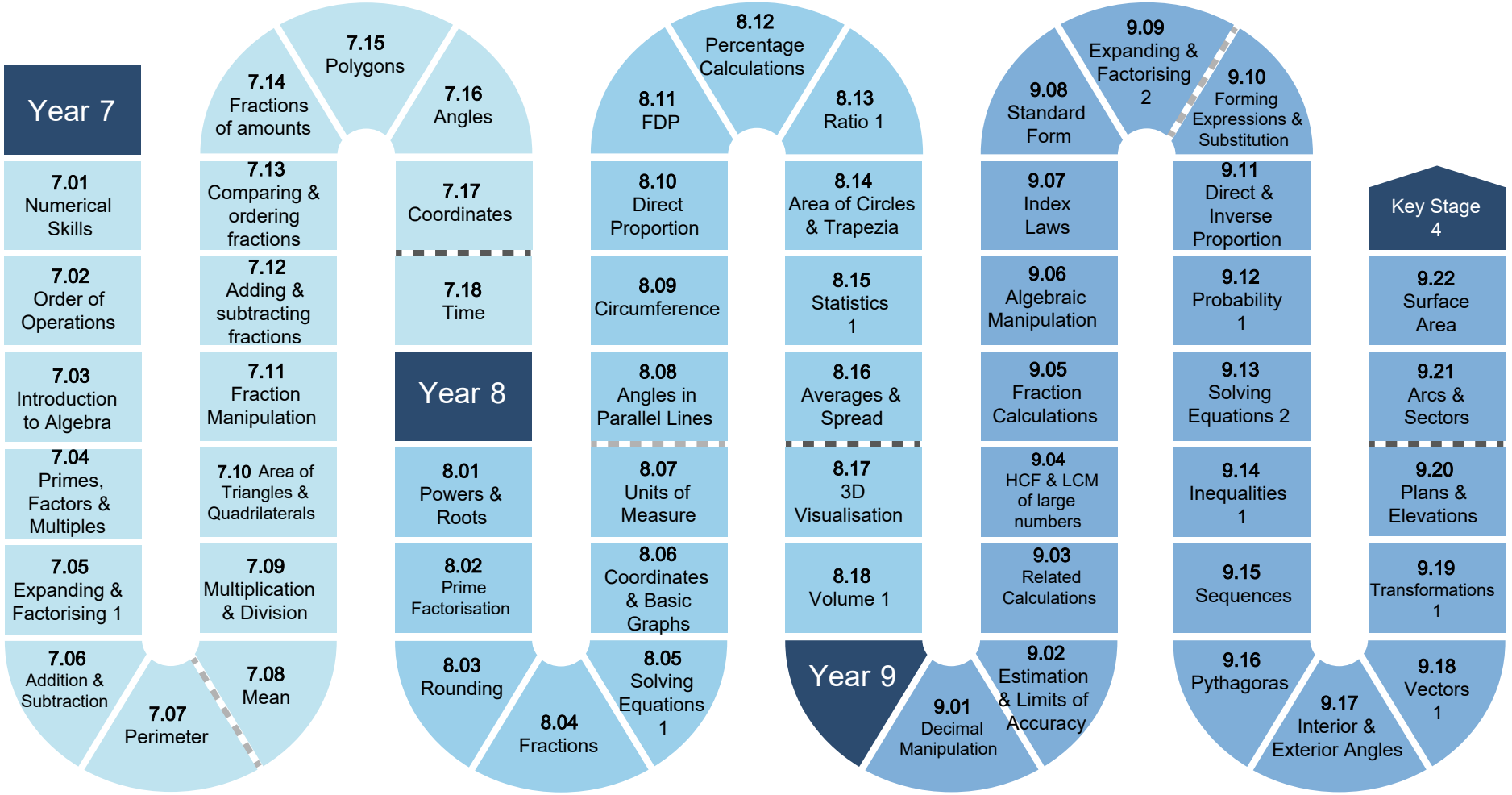
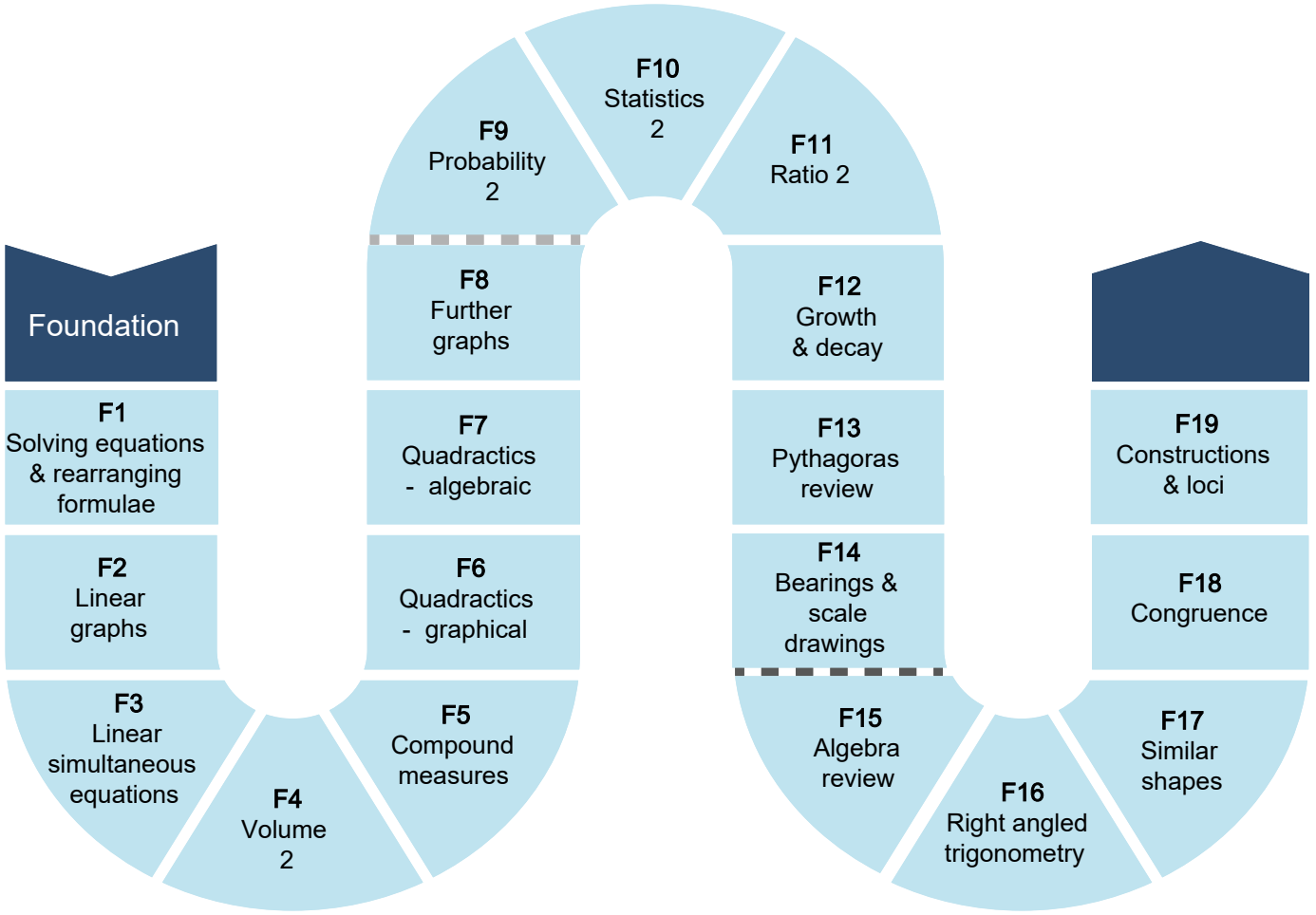
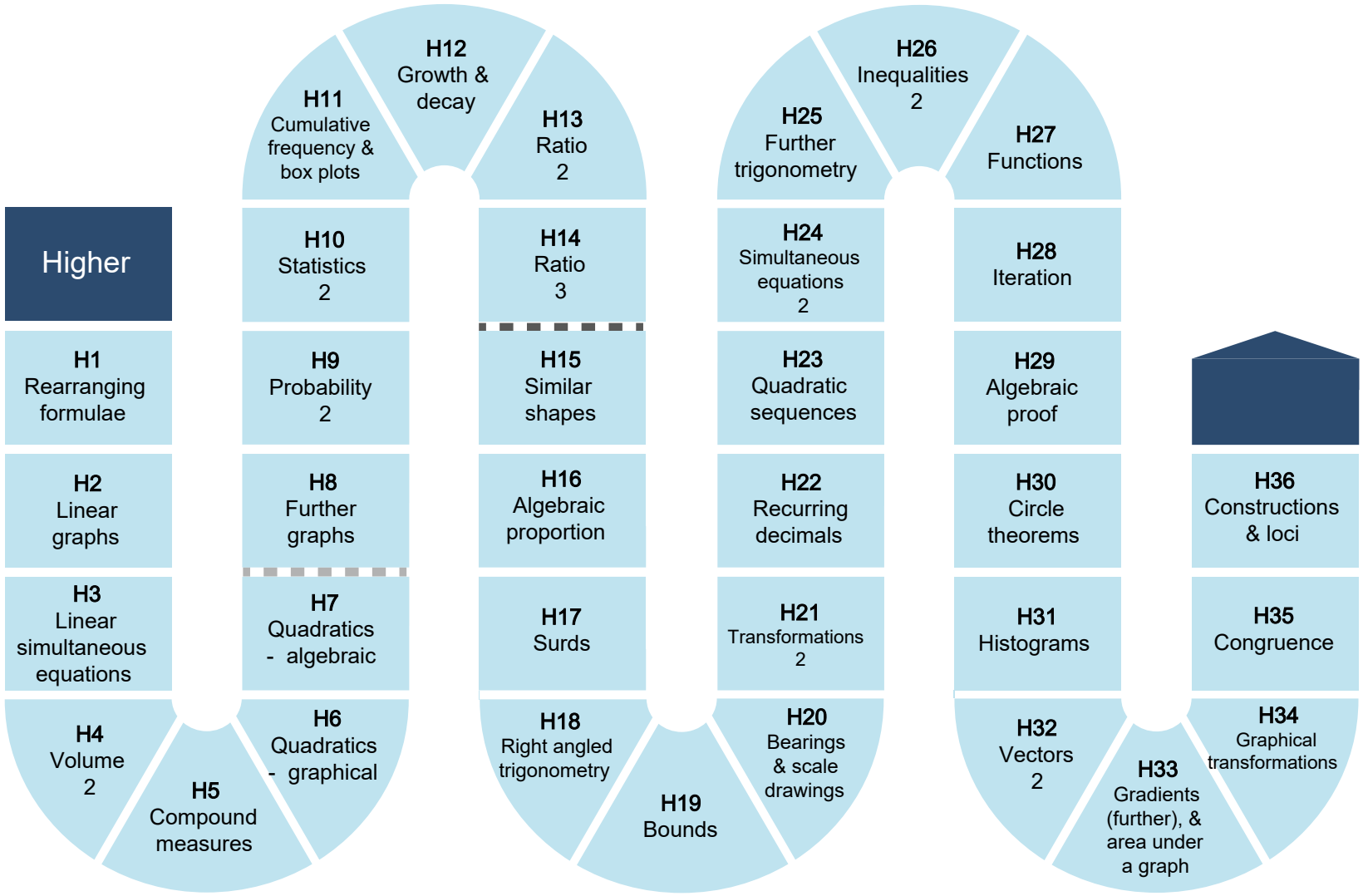
KS3 Mathematics



KS4 Mathematics



KS4 Mathematics



2023-24 KS3 Overview								
Term	**Unit**	**Topic**	**Term**	**Unit**	**Topic**	**Term**	**Unit**	**Topic**
HT1	**7.01**	Numerical Skills	**HT1**	**8.01**	Powers and Roots	**HT1**	**9.01**	Decimal Manipulation
	7.02	Order of operations		**8.02**	Prime Factorisation		**9.02**	Estimation and Limis of accuracy
	7.03	Introduction to Algebra		**8.03**	Rounding		**9.03**	Related Calculations
HT2	**7.04**	Primes, Factors and Multiples		**8.04**	Fractions		**9.04**	HCF & LCM of large numbers
	7.05	Expanding and Factorising 1	**HT2**	**8.05**	Solving equations 1		**9.05**	Fraction Calculations
	7.06	Addition and Subtraction		**8.06**	Coordinates and basic graphs	**HT2**	**9.06**	Algebraic Manipulation
	7.07	Perimeter		**8.07**	Units of measurement		**9.07**	Index Laws
HT3	**7.08**	Mean	**HT3**	**8.08**	Angles in Parallel Lines		**9.08**	Standard Form
	7.09	Multiplication and Division		**8.09**	Circumference		**9.09**	Expanding & Factorising 2
	7.10	Area triangles and quadrilaterals		**8.10**	Direct Proportion	**HT3**	**9.10**	Forming expressions & substitution
HT4	**7.11**	Fraction Manipulation	**HT4**	**8.11**	Fractions, decimals and percentages		**9.11**	Direct and Inverse Proportion
	7.12	Adding and Subtracting Fractions		**8.12**	Percentage calculations		**9.12**	Probability 1
	7.13	Comparing and Ordering Fractions		**8.13**	Ratio 1	**HT4**	**9.13**	Solving equations 2
	7.14	Fractions of amounts	**HT5**	**8.14**	Area of circles and trapezia		**9.14**	Inequalities 1
HT5	**7.15**	Polygons		**8.15**	Statistics 1 (presenting and interpreting data)		**9.15**	Sequences
	7.16	Angles		**8.16**	Averages and Spread		**9.16**	Pythagoras
	7.17	Coordinates	**HT6**	**8.17**	3-D visualisation	**HT5**	**9.17**	Interior and Exterior Angles
HT6	**7.18**	Time		**8.18**	Volume 1		**9.18**	Vectors 1
							9.19	Transformations 1
						HT6	**9.20**	Plans and Elevations
							9.21	Arcs and Sectors
							9.22	Surface Area

2023-24 KS4 Overview											
Term	Unit	NEW	Term	Unit	Topic - Foundation	Term	Unit	New	Term	Unit	Topic - Higher
HT1	F1	Solving equations and rearranging formulae	HT7	11.01	Pythagoras	HT1	H1	Rearranging formulae	HT7	11.01	Algebraic proof
	F2	Linear Graphs		11.02	Right angled Trigonometry		H2	Linear Graphs		11.02	Solving quadratics & further Simultaneous equations
	F3	Linear Simultaneous Equations		11.03	Bearings & Scale Drawings		H3	Linear Simultaneous Equations		11.03	Functions
	F4	Volume 2	HT8	11.04	Transformations		H4	Volume 2		11.04	Iteration
HT2	F5	Compound Measures		11.05	Congruence	HT2	H5	Compound Measures		11.05	Further inequalities
	F6	Quadratics - graphical	HT9	11.06	Vectors		H6	Quadratics - graphical	HT8	11.06	Bearings
	F7	Quadratics - algebraic		11.07	Similar shapes		H7	Quadratics - algebraic		11.07	Circle theorems
	F8	Further graphs		11.08	Constructions & Loci		H8	Further graphs		11.08	Further Trigonometry & Trigonometric graphs
HT3	F9	Probability 2	Note: only correct for Y11 in 2023/24			HT3	H9	Probability 2	HT9	11.09	Statistics (Further)
	F10	Statistics 2					H10	Statistics 2		11.10	Transformations
HT4	F10*	Standard Form					H11	Cumulative Frequency and Box Plots		11.11	Congruence
	F11	Ratio 2					H11*	Standard Form*2023/24 only		11.12	Vectors
	F12	Growth & Decay				HT4	H12	Growth & Decay	HT10	11.13	Gradients (Further), and area under a graph
HT5	F13	Pythagoras Review					H13	Ratio 2		11.14	Kinematics
	F14	Bearings & Scale Drawings					H14	Ratio 3		11.15	Graphical transformations
							H15	Similar shapes		11.16	Constructions & Loci
						HT5	H16	Algebraic proportion	Note: only correct for Y11 in 2023/24		
							H17	Surds			
							H18	Right angled Trigonometry			
						HT6	H19	Bounds			
							H20	Bearings and scale drawings			
							H21	Transformations 2			