2021/	AUTUMN		SPRING		SUMMER	
2022	HT1	HT2	HT3	HT4	HT5	HT6
۲ ٨	Area of study ➤ Number Key concepts Place Value / Order of Operations Whole Numbers (+/-/x/÷) / Worded Prob Decimal Calculations (+/-/x/÷) Types of Numbers / Negative Numbers Primes / Multiples / Factors Prime Factor Trees / LCM / HCF	Area of study Algebra / Graphs Key concepts Substitution / Simplifying Expand (single) / Factorise (linear) Making Formulas from Words / Using Form Solving Equations (one-step / two-step) Sequences - Calculating the nth term (linear Coordinates (x, y) - four quadrants	Area of study ➤ Fractions / Percentages / Ratio Key concepts Fraction Basics (equivalent, simplify, convert) Fraction Calculations (+/-/x/÷) Fractions of Amounts (calc/no-calc) Percentages of Amounts (calc/no-calc) Ratio Calculations (simplify, share, recipes)	Area of study Shape Key concepts Properties of 2D / 3D Shapes Perimeter & Area (square, rectangle, tria Compound Shapes / Plans & Elevations Surface Area & Volume (cube, cuboid) Measuring & Drawing Angles	Area of study Shape / Angles / Probability Key concepts Angle Basics (line, point, triangle) Triangle Constructions Introduction to Transformations Probability Basics / Experimental / Listing Outcomes	Area of study Data Key concepts Types of Data (discrete / continuous) Mean, Mode, Median, Range Pictograms / Bar Charts Frequency Tables (calculate averages)
	Assessment method End of Topic Test Area of study	Assessment method > End of Topic Test Area of study	Assessment method > End of Topic Test Area of study	Assessment method End of Topic Test Area of study	Assessment method > End of Topic Test Area of study	Assessment method > End of Topic Test Area of study
Υ 8	Number Key concepts Revision of Four Operations (whole / dec Rounding (decimals places / significant fit Accuracy & Estimating Basic Power Rules / Square Root / Cube F Revision of Prime Factor Trees / LCM / Ho Introduction to Standard Form		Revision of F/P (amounts / inc / dec / mult Percentages (original value / percentage cl	Introduction to Circles Surface Area & Volume (triangular prism,	 Angles / Transformations / Probability Key concepts Angles in Polygons Translation / Rotation / Reflection Enlargement of Shapes Frequency Trees / Introduction to Venn Dia 	➤ Data Key concepts Two-Way Tables / Line Graphs Time Series / Pie Charts Scatter Graphs (correlation) Grouped Frequency Tables (calculate
	Assessment method > End of Topic Test Area of study	Assessment method > End of Topic Test Area of study	Assessment method > End of Topic Test Area of study	Assessment method > End of Topic Test Area of study	Assessment method Find of Topic Test Area of study	Assessment method Find of Topic Test Area of study
٨ ٨	Number Key concepts Worded Problems (whole numbers / dec Types of Numbers / BODMAS / Negative Simple / Compound Interest Revision of F/D/P (mixed / worded) Powers & Roots (negative, fractional) Manipulating Surds (simplify, rationalise)	➤ Algebra Key concepts Simplifying / Expanding / Substitution Factorising (linear / quadratic / D.O.T.S.) Solve by using Quadratic Formula Completing the Square / Turning Points Solving Equations (mixed / worded)	Constructions / Shape Key concepts Constructions Loci (rules) Bearings / Scale Drawings Pythagoras' Theorem (2D) - ext 3D Trigonometry (2D) - ext 3D	➤ Data Key concepts Box Plots / Cumulative Frequency Histograms (frequency density) Time Series / Scatter Graphs Interpreting Data / Comparing Data Probability Basics / Experimental / Product Rule	Probability Key concepts Listing Outcomes / Frequency Trees The AND / OR Rules (dependent / independent of the Diagrams / Conditional Probability Sets & Venn Diagrams	Angles / Circles Key concepts Revision of Graphs & Charts Revision of Angle Rules (mixed / word Circle Theorems - Rules Circle Theorems - Proof
	Assessment method ➤ End of Topic Test	Assessment method > End of Topic Test	Assessment method > End of Topic Test	Assessment method ➤ End of Topic Test	Assessment method > End of Topic Test	Assessment method ➤ End of Topic Test

	AREAS OF STUDY	KEY CONCEPTS	ASSESSMENT METHOD
NOTES			