2021/	AUTUMN		SPRING		SUMMER	
2022	HT1	HT2	HT3	HT4	HT5	HT6
	Area of study  Number and calculations  Key concepts	Area of study  ➤ Number, Algebra, shape  Key concepts	Area of study	Area of study  Shape and space  Key concepts	Area of study  ➤ Sequences  Key concepts	Area of study  ➤ Angles and data  Key concepts
Υ 7	Place value Integer and decimal calculations Factors, multiples and primes Fractions and decimals Mental Calculations, Estimations Measures and measuring Calculating with fractions  Assessment method  AQA assessment	Negative numbers Orders of operation Algebra Expressions, Substitution Formulae, functions, Equations Simplifying expressions Translating and rotating shapes Symmetry and tessellations	Percentages Ratio Proportional reasoning Compound measures  Assessment method  AQA assessment	Perimeter and area Triangles and parallelograms Trapeziums and compound shapes Problem solving with area and perimeter Plans, elevations, properties of 3d shapes Volume and surface area of cuboids Applying algebra to shape questions.  Assessment method	Sequences: linear and non-linear Term to term and position to term rule Nth term rule Co-ordinates, drawing straight line graphs Conversion graphs  Assessment method AQA assessment	Estimating, drawing and measuring angles  Angle reasoning (straight line/around a point/complementary)  Angles: parallel lines, triangles  Pictograms, bar charts, line graphs, pie charts
		Assessment method  > AQA assessment		➤ AQA assessment		Assessment method  > AQA assessment
	Area of study  Number and algebra	Area of study  ➤ Algebra and shape	Area of study ➤ Ratio / Proportion	Area of study  ➤ Data/probability	Area of study ➤ Shape and space	Area of study  ➤ Proportion, scale and constructions
8	Whole number/decimal calculations Estimations, Sig Figures, Rounding Bounds Powers, Roots and to Surds Index laws, indices Standard form Substitution and solving equations	solving harder equations writing and rearranging Formulae representing and solving Inequalities Linear sequences: nth term straight line graphs, y = mx+ c	Ratio and Proportion  Direct Proportion  Percentages: reverse, percentage change	Key concepts Mean, median, mode, range Averages problem solving Averages from tables Probability Experimental probability, relative frequency, expectation Probability problems, frequency trees, Venn diagrams	Key concepts Areas of rectangles, parallelograms, triangles Areas of trapeziums, compound shapes area and circumference of circles	Key concepts Pie charts Ratio and map Scales Angles and bearings
	Assessment method ➤ AQA assessment	distributive law: expanding and factorising brackets  Enlargement and scale factor  Assessment method  AQA assessment	Percentages, simple interest,  Units of measurement and compoun measures  Assessment method  AQA assessment	Assessment method  AQA assessment	Volume and surface area of cuboids  Assessment method  ➤ AQA assessment	Assessment method  AQA assessment
	Area of study ➤ Number	Area of study  ➤ Algebra	Area of study  > Probability and Data	Area of study  > Data / angles	Area of study  Proportion and shape	Area of study  ➤ Sequences
4 У	Key concepts Calculations: whole numbers, fractions, decimals Profit, financial maths, balance statements Rounding and bounds Powers , Roots, intro to surds, laws of indices Ratio, standard form Percentage multipliers, original, new and change Percentages: simple and compound interest	Formulae and rearrangement substituting and solving equations  Adding and multiplying terms Expanding and factorising Adding algebraic fractions Expanding and factorising quadratics Enlargements including negative and fractional  Assessment method	Key concepts Tree diagrams, combined probability  Venn Diagrams  Data: Averages, Spread, problems  Mean and median from a table  Cumulative frequency and box plots	Histograms Scatter graphs, time series Angles on a straight line and around a point Angles in parallel lines Angles in polygons Similar polygons	Rey concepts  Proportion, pie charts Circle circumference and area Sector perimeter and area Volumes of and surface areas of prisms  Assessment method ➤ AQA assessment	Nth terms of linear sequences Linear sequences and graphs Gradient, y = mx +c Plotting non-linear graphs  Assessment method ➤ AQA assessment
	Assessment method  ➤ AQA assessment	➤ AQA assessment	Assessment method  > AQA assessment	Assessment method  > AQA assessment		

		AREAS OF STUDY	KEY CONCEPTS	ASSESSMENT METHOD	
	)TE		key concepts, depending on whether they are ready to	Assessments questions will be drawn from official AQA questions to ensure relevance to final GCSEs and for quality assurance purposes.	