

2019/ 2020	AUTUMN		SPRING		SUMMER	
	HT1	HT2	HT3	HT4	HT5	HT6
Y7	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Number <p>Key concepts</p> <p>Whole, Decimal Calculations</p> <p>Mental Calculations, Estimations</p> <p>Order of operations and Negatives</p> <p>Factors, Multiples, Prime, HCF, LCM</p> <p>Exploring FDP, Fractions</p> <p>Calculating Fractions</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test 	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Algebra <p>Key concepts</p> <p>Algebra Expressions, Substitution</p> <p>Algebra Equations</p> <p>Algebra Formulae, Functions</p> <p>Algebra Inequalities and graphing</p> <p>Algebra Equations 2 and Fractions</p> <p>Algebra: Sequences</p> <p>Graphs: Straight line</p> <p>Graphs: Real life, Time Series</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test 	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Data / Probability <p>Key concepts</p> <p>Data: organising, interpreting data</p> <p>Data: presenting data</p> <p>Data: Frequency polygons, Venn Diagrams</p> <p>Data/Statistics: averages, and from tables</p> <p>Probability</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test 	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Ratio / Proportion / Percentages <p>Key concepts</p> <p>Ratio</p> <p>Proportional reasoning</p> <p>Percentages</p> <p>Percentages: increase/decrease, Multiplier</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test 	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Shape <p>Key concepts</p> <p>Properties of 3D shapes, Plans and Elevations</p> <p>Measures Perimeter and Area</p> <p>Angles and properties of 2D shapes</p> <p>Volume and Surface Area</p> <p>Pythagoras</p> <p>Geometry and Algebra Problem solving</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test 	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Transformations / Constructions <p>Key concepts</p> <p>Transformations and Symmetry</p> <p>Symmetry and Tessellations</p> <p>Constructions</p> <p>Loci and Bearings</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test
Y8	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Number <p>Key concepts</p> <p>Number and Decimals, recurring, BIDMAS</p> <p>Estimations, Sig Figures, Rounding, Bounds</p> <p>Powers, Roots, Surds</p> <p>Factors, Multiples, Standard form</p> <p>Index laws, Indices</p> <p>Fractions and Fraction problems</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test 	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Algebra / Graphs <p>Key concepts</p> <p>Algebra Expressions, identities, Substitutions</p> <p>Algebra Equations 2, Simultaneous</p> <p>Algebra Quadratics, Formulae and rearrangement</p> <p>Algebra Fractions, Inequalities</p> <p>Algebra Functions, Trial and Improvement</p> <p>Sequences, Geometric, Linear, Quadratic</p> <p>Graphs: Straight line, perpendicular</p> <p>Graphs: Quadratic, Real life, others</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test 	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Data / Probability <p>Key concepts</p> <p>Data: organising, interpreting, analysing data</p> <p>Data: presenting- box plots, Cum frequency</p> <p>Data: Venn Diagrams, Histograms</p> <p>Data/Statistics: averages, from tables, grouped</p> <p>Probability: dep/indep and tree diagrams</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test 	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Ratio / Proportion / Percentages <p>Key concepts</p> <p>Ratio and Proportion</p> <p>Direct/Inverse Proportion</p> <p>Percentages: Inc/Dec, multipliers, Change</p> <p>Percentages, Interest, Repeated, Reverse</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test 	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Shape <p>Key concepts</p> <p>Measures Perimeter and Area</p> <p>Angles and properties of shapes</p> <p>Properties of 3D Shapes and Elevations</p> <p>Volume and Surface Area</p> <p>Pythagoras and Trigonometry</p> <p>Geometry, Data, and Algebra Problem solving</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test 	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Transformations / Constructions <p>Key concepts</p> <p>Transformations- Vectors, Negative, Fractional SF</p> <p>Similarity , Maps, Scales</p> <p>Constructions</p> <p>Loci and Bearings</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test
Y9	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Number <p>Key concepts</p> <p>Written Methods, Approximations</p> <p>Powers , Roots, Negatives, Standard Form</p> <p>Indices, Surds</p> <p>Ratio and Proportion</p> <p>Percentages</p> <p>Calculating Fractions, Mixed Numbers</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test 	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Algebra <p>Key concepts</p> <p>Algebra Expressions, identities, substitutions, Indices</p> <p>Algebra: factorising</p> <p>Algebra: formulae</p> <p>Algebra: fractions</p> <p>Algebra Functions, Iteration</p> <p>Algebra: Sequences</p> <p>Algebra Equations, Inequalities</p> <p>Algebra Equations 2, Simultaneous, Quadratic</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test 	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Data <p>Key concepts</p> <p>Data: organising , sampling</p> <p>Data: representing data</p> <p>Data: Venn Diagrams</p> <p>Data: Averages, Spread</p> <p>Data: averages grouped and box plots</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test 	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Data / Graphs <p>Key concepts</p> <p>Data: averages and box plots</p> <p>Grouped, frequency, cumulative</p> <p>Data: graphs and correlation</p> <p>Data: Time, Series, graphs and charts</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test 	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Probability <p>Key concepts</p> <p>Probability: sets and events</p> <p>Probability: theoretical and experimental</p> <p>Probability: independent, dependent, Venn</p> <p>Probability: 2 way, Possibility Space, Tree diagrams</p> <p>Probability: Conditional, Venn Diagrams</p> <p>Probability: sets and events</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test 	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Angles / Circles <p>Key concepts</p> <p>Angles Properties</p> <p>Angles, Polygons and Shapes</p> <p>Area and Perimeter, Circles, Sectors</p> <p>Circle Theorems</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test

Y 10

Y 11

<p>Area of study</p> <ul style="list-style-type: none"> ➤ Number <p>Key concepts</p> <p>Calculations and Approximation</p> <p>Limits of Accuracy and Bounds</p> <p>Measures, FDP, Recurring decimals</p> <p>Factors, Powers and roots Surds</p> <p>Indices and Surd Calculations</p> <p>Standard Form and SF Calculations</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test 	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Algebra <p>Key concepts</p> <p>Expressions, Expanding, Substitution</p> <p>Factorising Linear, Quadratics</p> <p>Linear Equations</p> <p>Simultaneous equations</p> <p>Quadratic equations Equation of a circle</p> <p>Formulae, Iteration, Functions, Identities</p> <p>Algebraic Fractions</p> <p>Inequalities Algebraic Proof</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test 	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Sequences / Percentages <p>Key concepts</p> <p>Linear sequences, Geometric progression</p> <p>Quadratic sequences / Special</p> <p>Percentages: increase, decrease, reverse, change</p> <p>Percentages: reverse, compound, simple, growth/decay</p> <p>Ratio + Proportion</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test 	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Ratio / Proportion / Graphs <p>Key concepts</p> <p>Direct and Inverse Proportion</p> <p>Straight line, Quadratic Graphs</p> <p>SDT, Acceleration graphs, Kinematic</p> <p>Sketching Functions, Real life graphs</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test 	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Graphs / Shape <p>Key concepts</p> <p>Proportion graphs reciprocal, cubic, circle</p> <p>Graphs-inequalities, Sim equations</p> <p>Graphs: Gradients and Area under curves, rates of change</p> <p>Exponential and trig functions and Transformation graphs</p> <p>Transformations</p> <p>Volumes of Prisms, Surface Area</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test 	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Shape <p>Key concepts</p> <p>Plans and Elevations Vectors</p> <p>Bearings, Maps, Scale</p> <p>Constructions and Loci</p> <p>Work Experience</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test
<p>Area of study</p> <ul style="list-style-type: none"> ➤ Shape <p>Key concepts</p> <p>Algebra Revision: Formula rearrangement</p> <p>Pythagoras and 3d</p> <p>Trigonometry</p> <p>Pythagoras and Trigonometry problems</p> <p>Non right angle Triangles: Sine and Cosine Rules</p> <p>Congruence and Similarity</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test 	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Revision 1 <p>Key concepts</p> <p>Topic Revision: Data</p> <p>Topic Revision: Data and assessment</p> <p>Topic Revision: Probability</p> <p>Topic Revision: Probability and assessment</p> <p>Topic Revision: Algebra</p> <p>Topic Revision: Algebra and assessment</p> <p>Mock past paper practice papers set 1</p> <p>Mock past paper practice papers set 2</p> <p>Mocks Assessment Exams</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test 	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Revision 2 <p>Key concepts</p> <p>Topic Revision: Number</p> <p>Topic Revision: Number and assessment</p> <p>Topic Revision: Geometry</p> <p>Topic Revision: shape and space and assessment</p> <p>Topic Revision: ratio and proportion and assessment</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ End of Topic Test 	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Past Papers 1 <p>Key concepts</p> <p>Past paper practice 2016</p> <p>Past paper practice 2016</p> <p>Past paper practice 2017</p> <p>Past paper practice 2017</p> <p>Mocks Assessment Exams</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ Past Papers 	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Past Papers 2 <p>Key concepts</p> <p>Past paper practice 2018</p> <p>Past paper practice 2018</p> <p>Past paper practice 2019</p> <p>Past paper practice 2019</p> <p>Exam Practice paper set 3</p> <p>Exam Practice paper set 4</p> <p>Mocks Assessment Exams</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ Past Papers 	<p>Area of study</p> <ul style="list-style-type: none"> ➤ Examinations <p>Key concepts</p> <p>Exam Revision</p> <p>Assessment method</p> <ul style="list-style-type: none"> ➤ Past Papers

NOTES	AREAS OF STUDY	KEY CONCEPTS	ASSESSMENT METHOD