

YEAR 7 – September 2020					
Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6
All students should be confident and competent with the Key Stage 2 material. Review of these may be useful for each unit					
• Number bonds • Convert units • Mental strategies • Multiplication facts / strategies • Tenths and hundredths	• Equal parts • Factors, multiples and primes • Fraction Equivalence • Multiplication and Division	• Multiplication and Division • Equivalent Fractions • Triangle and quadrilateral properties	• Factors and Multiples • Negative Numbers • Algebraic notation • Order of operations	• Lengths and units • Parallel and perpendicular • Angle Names • Negative Numbers • Number patterns	• Angles • Lengths and Units • Order of operations
All students should have access to this specific curriculum content to ensure they have covered the requirements for Key Stage 3					
1. Place value (including decimals) 2. Order positive and negative numbers (including decimals) 3. Four operations with integers and decimals 4. Four operations with negatives 5. Inequalities – using symbols only	1. Reciprocals 2. Order of operations 3. Special Numbers - Primes - Squares / Square root - Cubes / Cube root 4. Prime Factorisation 5. Factors and Multiples (including HCF / LCM) 6. Introduction to Fractions - Equivalent Fractions - Mixed to Improper - Improper to Mixed	1. Fraction of Amounts 2. Rounding decimal places (up to 3 decimal places) 3. Multiply and Divide Fractions (including integers by fractions) 4. Order Fractions and Decimals 5. Perimeter	1. Add and Subtract Fractions 2. Algebraic convention 3. Substitution 4. Form and simplify algebraic expressions 5. Form and solve equations $ax + b = c$ including negative and fractional and decimal co-efficient	1. Area of rectangle, triangle, parallelogram and trapezia (not compound) 2. Sequences - Term to Term - Fibonacci Sequence - Nth term 3. Draw, measure and estimate angles 4. Calculate angles - On a line - Around a point - In a triangle - Polygon (int/ext) - Vertically opposite END OF YEAR SUMMATIVE ASSESSMENT	1. Bearings (not including back bearings) 2. Form and solve equations relating to angle reasoning (no further than $ax + b = c$ from half term 4) 3. Using a calculator 4. Measures 5. Co-ordinates in all 4 quadrants
Some of your highest attaining students may need to be stretched through depth and problem solving					
Assessments are formal and take place at the end of each half term. They aim to check that children are building on prior knowledge through the use of interleaving topics. End of Year Assessment takes place at the end of Half Term 5 Knowledge Retrieval questions feature as starter tasks for students to practice prior knowledge. The aim of these questions is to support children with ‘knowing more and remembering more’					

YEAR 8 – September 2021					
Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6
All students should be confident and competent with the Year 7 material. Review of these prerequisites may be useful for each unit					
- Fractions - Multiplication & Division - Rounding - Decimals	- Order of operations - Factors and Multiples - Area and Perimeter - Negative numbers - Powers and Roots - Multiply and divide decimals	- Scale - Unit conversion - Rectilinear shapes - Area of 2D shapes	- Area and perimeter of plane shapes, inc. composite shapes - Sample space - The probability scale - Multiply decimals and fractions	- Reflection and rotation - Symmetry - Cartesian co-ordinates	- Calculator skills - Angles - Multiplication and Division - Measurement - Rounding
All students should have access to this specific curriculum content to ensure they have covered the requirements for Key Stage 3					
- Fraction, Decimal and Percentage Equivalence - Percentages - Of amounts - Multipliers % inc / dec / change - Find the whole given the part of the percentage - Ratio - Equivalence 1 : n and n : 1 - Simplifying - Recipes - Ratios as a fraction - Sharing - Problem Solving	- Reverse Percentages - Expand single brackets - Form and solve equations $a(b + x) = d$ with fractional, decimal and negative coefficients - Factorise a single bracket - Area and perimeter of compound shapes (including algebraic with brackets and solving)	- Properties of 2D shapes (inc quadrilaterals) - Properties of 3D shapes 3D net sketching - Plans and Elevations - Properties of Circles - Area and circumference of circles and part circles - Volume - cube / cuboid - prisms - cylinder - composite	- Probability - Use of FDP - And / Or - Sample Space Diagrams - Relative Frequency - Mutually Exclusive - Expected probability - Venn diagrams (including set notation) - Surface Area - Cube / Cuboid - Prisms - Cylinder - Composite	- Recognise and sketch graphs $y = x$ / $y = -x$ $x = -1$ - Reflection in the line of symmetry ($x = 3$ etc) and description of reflection - Rotation Symmetry - Rotation about a point - Enlargements about a point (all SF) - Translation (inc vector notation) (variance and invariant points throughout) END OF YEAR SUMMATIVE ASSESSMENT	- Statistical diagrams - Collecting data - Data into tables - Line graphs - Bar charts - Pictograms - Pie Charts - Averages and Range (including from a frequency table – not grouped)
Some of your highest attaining students may need to be stretched through depth and problem solving.					
Throughout Year 8 students should continue to use and access prior skills, with particular attention to; - Four operations with fractions, decimals and negatives - Algebraic Manipulation					
Assessments are formal and take place as denoted by a --- in week 4 of each half term. They aim to check that children are building on prior knowledge through the use of interleaving topics End of Year Assessment takes place at the end of Half Term 5 Knowledge Retrieval questions feature as starter tasks for students to practice prior knowledge. The aim of these questions is to support children with ‘knowing more and remembering more’					

YEAR 9 – September 2022					
Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6
All students should be confident and competent with the Year 7 and 8 material. Review of these prerequisites may be useful for each unit					
• Rounding • Measurements and units • x ÷ powers of ten • Negative Numbers • Fractions • Powers and roots	• Substitution • Writing expressions • Powers and roots • Manipulate formulae	• Sequences • Algebraic manipulation • Linear equations • Read scales	• Angle types • Angle facts • Area and circumference • Angles in on straight lines and in a triangle	• Ratio • Solving proportion problems • Multipliers • Factors and Multiples • Substitution • Algebraic manipulation	• Division and Mean • Calculator skills • Co-ordinates • Statistical Diagrams
All students should have access to this specific curriculum content to ensure they have covered the requirements for Key Stage 3					
1. Rounding - Decimal Places (recap) - Significant Figures 2. Estimation In context (area, volume, cost etc) -----3. Standard Form - Up to calculating $(3.8 \times 10^3) \times 49000$ etc 4. Rules of Indices (up to negative integer powers) 5. Geometric Sequences	1. Solve equations with x on both sides2. Inequalities - Representing on a number line - Solving with x on both sides -----3. Expand single/double/triple brackets4. Factorise into single/double brackets $ax^2 + bx + c$ where a = 1 (inc diff of 2 squares)5. Change the subject of the formula (variable on one side only)	1. Meet $y = mx + c$ and interpret m and c2. Use tables of values to draw $y = mx + c$ 3. Find m and c given the line -----4. Sketch and draw quadratic graphs5. Sketch and draw cubic and reciprocal graphs6. Real Life Graphs (conversion and distance/time graphs)	1. Draw / construct accurate triangles and quadrilaterals2. Constructions (including angles)3. Congruence4. Similarity -----5. Loci6. Angles in parallel lines (inc algebraic questions)7. Back bearings (using angle knowledge)	1. Direct and Inverse Proportion2. Pythagoras in 2D -----3. Trigonometric Ratios (exact values)4. Trigonometry in right angled triangles5. Pythagoras and Trigonometry problem solving	1. Averages from grouped frequency tables2. Scatter Graphs and correlation3. Bounds and Error Intervals END OF YEAR SUMMATIVE ASSESSMENT 4. Explore a hypothesis
Some of your highest attaining students may need to be stretched through depth and problem solving.					
Throughout Year 9 students should continue to use and access prior skills, with particular attention to; • Four operations with fractions, decimals and negatives • Algebraic Manipulation • Angle Properties and Facts			• Percentage Increase and Decrease and multipliers • Approximation and Significant Figures		
Assessments are formal and take place as denoted by a --- in week 3 of each half term. They aim to check that children are building on prior knowledge through the use of interleaving topics End of Year Assessment takes place at the end of Half Term 6 Knowledge Retrieval questions feature as starter tasks for students to practice prior knowledge. The aim of these questions is to support children with ‘knowing more and remembering more’					

