Mathematics
Year 10F Curriculum Map

Unit One	Unit Two	Unit Three
Topic: Place Value **Key Learning:** Understanding the place value for whole numbers, decimals and powers of ten, writing numbers in standard form and rounding to decimal places. **Assessment:** Topic-test and mid-year exam	**Topic: Addition and Subtraction** **Key Learning:** Formal and mental methods for addition and subtraction, applied to real world concepts such as shapes, ranges and medians. **Assessment:** Topic-test and mid-year exam	**Topic: Multiplication and Division** **Key Learning:** Formal and mental methods for multiplication and division, applied to real world concepts such as area and mean. **Assessment:** Topic-test and mid-year exam

Unit Four	Unit Five	Unit Six
Topic: Prime Numbers **Key Learning:** Identifying and understanding prime numbers and the link to factors and multiples **Assessment:** Topic-test and mid-year exam	**Topic: Directed number** **Key Learning:** Understanding the world of positive and negative numbers and zero pairs, and their links to powers, roots and orders of operation **Assessment:** Topic-test and mid-year exam	**Topic: Sequences** **Key Learning:** Identifying and describing linear and non-linear sequences **Assessment:** Topic-test and mid-year exam

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Unit Seven	Unit Eight	Unit Nine
Topic: Algebraic Notation **Key Learning:** Understanding, using and applying algebraic notation to replace numbers **Assessment:** Topic-test and end-of-year exam	**Topic: Delving into Data** **Key Learning:** Working with frequency polgyons and various types of graphs and charts, including scatter graphs **Assessment:** Topic-test and end-of-year exam	**Topic: Fraction, Decimal, Percentage and Ratio Equivalence** **Key Learning:** Converting fluently between fractions, decimals, percentages and ratios and exploring connections between them. **Assessment:** Topic-test and end-of-year exam

Unit Ten	Unit Eleven	Unit Twelve
Topic: Fractions, Ratio and Percentages of Amounts **Key Learning:** Finding fractions, ratio and percentages of given amounts using calculator and non-calculator methods of multiplicative reasoning. **Assessment:** Topic-test and end-of-year exam	**Topic: Solving Equations and Inequalities** **Key Learning:** Applying algebra skills to solve equations and inequalities. **Assessment:** Topic-test and end-of-year exam	**Topic: Constructions and Measuring** **Key Learning:** Drawing and measuring angles and applying angles rules to geometrical shapes. **Assessment:** Topic-test and end-of-year exam

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Unit Thirteen	Unit Fourteen	Unit Fifteen
Topic: Angles in Parallel Lines and Polygons **Key Learning:** Solving complex problems involving geometrical shapes and parallel lines with transversals. **Assessment:** Topic-test and end-of-year exam	**Topic: Area and Perimeter of Trapezia, Circles and Compound Shapes** **Key Learning:** Solving problems involving the area and perimeter of trapezia, circles and compound shapes. **Assessment:** Topic-test and end-of-year exam	**Topic: Three Dimensional Shapes** **Key Learning:** Surface area and volume of 3D shapes, including prisms. **Assessment:** Topic-test and end-of-year exam

Unit Sixteen	Unit Seventeen	Unit Eighteen
Topic: Using Graphs **Key Learning:** Constructing and interpreting real life straight line graphs and working with their equations **Assessment:** Topic-test and end-of-year exam.	**Topic: Ratio** **Key Learning:** Solving complex ratio problems using multiplicative reasoning **Assessment:** Topic-test and end-of-year exam.	**Topic: Proportion** **Key Learning:** Solving complex proportion problems using multiplicative reasoning **Assessment:** Topic-test and end-of-year exam.

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