Mathematics
Year 7 Curriculum Map

Woolwich Polytechnic
School for Boys

Unit One	Unit Two	Unit Three
Topic: Place Value **Key Learning:** Understanding the place value for whole numbers, decimals and powers of ten. **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 end-of-year exam	**Topic: Sequences** **Key Learning:** Identifying and describing linear and non-linear sequences **Assessment:** Topic-test and end-of-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: Equality and Equivalence** **Key Learning:** Understanding the meaning of equality and using it to solve simple equations **Assessment:** Topic-test and end-of-year exam	**Topic: Fraction, Decimal and Percentage Equivalence** **Key Learning:** Representing fractions and decimals on numbers lines and using hundred squares and helping convert to percentages **Assessment:** Topic-test and end-of-year exam

Unit Ten	Unit Eleven	Unit Twelve
Topic: Fractions and Percentages of Amounts **Key Learning:** Finding fractions and percentages of given amounts using calculator and non-calculator methods **Assessment:** Topic-test and end-of-year exam	**Topic: Constructions and Measuring** **Key Learning:** Identifying, classifying, measuring and drawing angles and applying them to pie charts **Assessment:** Topic-test and end-of-year exam	**Topic: Geometric Reasoning** **Key Learning:** Using the rules of angles on a straight line, angles at a point, angles in a triangle and angles in quadrilateral. **Assessment:** Topic-test and end-of-year exam

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Unit Thirteen	Unit Fourteen	Unit Fifteen
Topic: Developing Number Sense **Key Learning:** Solidifying concepts for mental arithmetic strategies and applying to calculations **Assessment:** Topic-test and end-of-year exam	**Topic: Prime Numbers 2** **Key Learning:** Using prime numbers to find the highest common factor and lowest common multiple of a pair of numbers **Assessment:** Topic-test and end-of-year exam	**Topic: Fractional Thinking** **Key Learning:** Adding and subtracting fractions in different contexts **Assessment:** Topic-test and end-of-year exam

Unit Sixteen	Unit Seventeen
Topic: Sets and Probability **Key Learning:** Using Venn Diagrams and sets to describe the probability of events happening **Assessment:** Topic-test	**Topic: Constructions** **Key Learning:** Constructing triangles using congruence rules **Assessment:** Topic-test