



Year 7 Curriculum Overview

****Note: Objectives in blue are additional higher content for extension****

Half Term 1	
Date	Curriculum Overview
WC 02/09	Sequences - Describe and continue sequences in diagram and number forms, both linear and non-linear
WC 09/09	Understanding and using algebraic notation - Using single function machines and series or two function machines with numbers, bar models and letters - Forming and substituting into expressions, including generating sequences. - Representing functions graphically
WC 16/09	
WC 23/09	
WC 30/09	
WC 07/10	Equality and equivalence - Understanding equality and fact families - Forming and solving one-step equations - Understanding equivalence - Collecting like terms
WC 14/10	
Half Term 2	
Date	Curriculum Overview
WC 04/11	Consolidation, assessment, feedback (DIRT) and pupil voice.
WC 11/11	Place value and ordering - Integer place value up to one billion - Decimal place value to hundredths - Working out and using number lines - Comparing and ordering numbers - The range and the median - Rounding to positive powers of ten and to one significant figure - Exploring and using standard form
WC 18/11	
WC 25/11	
WC 02/11	
WC 09/11	Fraction, decimal and percentage equivalence - Representing tenths and hundredths on diagrams and number lines - Interchanging between fractions, decimals and percentages for multiples of tenths and quarters - Interpreting pies charts - Equivalent fractions - Converting between any fraction, decimal and percentage - Exploring fractions above one
WC 16/11	
Half Term 3	
Date	Curriculum Overview
WC 06/01	Problem solving with addition and subtraction - Use formal methods of addition with integers and decimals - Solve problems in the context of perimeter, money and frequency trees and tables - Addition in standard form - Improper fractions
WC 13/01	
WC 20/01	Problem solving with multiplication and division - Multiplying by 10, 100 and 1000; unit conversions - Formal methods of multiplication and division - HCF and LCM (Highest Common Factor and Lowest Common Multiple) - Areas of triangles, rectangles and parallelograms - Finding the mean - Finding fractions and percentages of amounts - Solving 2-step equations (with and without a calculator) - Introduction to order of operations - Area of a trapezium - Algebraic area
WC 27/01	
WC 03/02	
WC 10/02	
Half Term 4	
Date	Curriculum Overview
WC 24/02	Consolidation, assessment, feedback (DIRT) and pupil voice.
WC 02/03	Four operations with directed numbers (negative numbers) - Ordering directed numbers; with and without context - Add, subtract, multiply and divide with directed numbers - Choosing which method to use - Order of operations with negative numbers - Negative square roots
WC 09/03	

WC 16/03	Adding and subtracting fractions <ul style="list-style-type: none"> - Adding and subtracting fractions with a common denominator, including with answer above one - Revisit equivalent fractions - Adding and subtracting fractions with simple different denominators e.g. quarters/eighths, thirds/sixths - Add and subtract fractions with any denominators - Add and subtract simple algebraic fractions
WC 23/03	
WC 30/03	
Half Term 5	
Date	Curriculum Overview
WC 20/04	Constructing, measuring and using geometric notation <ul style="list-style-type: none"> - Drawing and measuring lines and angles using a ruler and protractor - Understanding and using notation for lines and angles - Understand parallel and perpendicular - Recognise types of triangle, quadrilateral and other polygons - Drawing triangles given SSS, SAS, ASA - Drawing and interpreting pie charts
WC 27/04	
WC 05/05	Geometric Reasoning <ul style="list-style-type: none"> - Calculating using angles at a point, angles on a straight line and vertically opposite angles - Calculating missing angles in triangles and quadrilaterals - Parallel lines rules - Angles in a polygon - Proof of angles rules
WC 11/05	
WC 18/05	
Half Term 6	
Date	Curriculum Overview
WC 01/06	<i>Consolidation, assessment, feedback (DIRT) and pupil voice.</i>
WC 08/06	Number sense <ul style="list-style-type: none"> - Mental arithmetic strategies - Using known facts to derive other facts, including algebraic expressions
WC 15/06	
WC 22/06	Sets and Probability <ul style="list-style-type: none"> - Understanding and using set notation - Venn diagrams - Probability of a single event - Venn diagrams for HCF and LCM
WC 29/06	
WC 06/07	Types of number <ul style="list-style-type: none"> - Types of number; triangle, prime - Prime factorisation - Powers and roots - Using counterexamples - Negative square roots
WC 13/07	