



Year 7 Curriculum Overview

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

Half Term 1	
Date	Curriculum Overview
WC 29/08	Sequences
WC 05/09	- Describe and continue sequences in diagram and number forms, both linear and non-linear
WC 12/09	Understanding and using algebraic notation
WC 19/09	- Using single function machines and series or two function machines with numbers, bar models and letters
WC 26/09	- Forming and substituting into expressions, including generating sequences. - Representing functions graphically
WC 03/10	Equality and equivalence
WC 10/10	- Understanding equality and fact families - Forming and solving one-step equations
Half Term 2	
Date	Curriculum Overview
WC 31/10	Equality and equivalence - Understanding equality and fact families - Forming and solving one-step equations
WC 07/11	Place value and ordering - Integer place value up to one billion
WC 14/11	- Decimal place value to hundredths - Working out and using number lines - Comparing and ordering numbers - The range and the median
WC 21/11	- Rounding to positive powers of ten and to one significant figure - Exploring and using standard form
WC 28/11	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
WC 05/12	Recap and assessment week
WC 14/12	Fraction, decimal and percentage equivalence - Interpreting pies charts - Equivalent fractions
Half Term 3	
Date	Curriculum Overview
WC 02/01	Fraction, decimal and percentage equivalence - Converting between any fraction, decimal and percentage - Exploring fractions above one
WC 09/01	Problem solving with addition and subtraction - Use formal methods of addition with integers and decimals
WC 16/01	- Solve problems in the context of perimeter, money and frequency trees and tables - Addition in standard form - Improper fractions
WC 23/01	Problem solving with multiplication and division
WC 30/01	- Multiplying by 10, 100 and 1000; unit conversions
WC 06/02	- 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)

	<ul style="list-style-type: none"> - Introduction to order of operations - Area of a trapezium - Algebraic area
Half Term 4	
Date	Curriculum Overview
WC 20/02	Fractions and percentages of amounts <ul style="list-style-type: none"> - Find a fraction of an amount - Use a given fraction to find the whole or other fractions - Find a percentage of an amount with and without a calculator - Solve problems with fractions greater than one and percentages over 100%
WC 27/02	Four operations with directed numbers (negative numbers) <ul style="list-style-type: none"> - 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 06/03	
WC 13/03	
WC 20/03	Recap and assessment week
WC 27/03	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
Half Term 5	
Date	Curriculum Overview
WC 17/04	Adding and subtracting fractions continued
WC 24/04	
WC 01/05	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 08/05	
WC 15/05	
WC 22/05	
WC 22/05	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
Half Term 6	
Date	Curriculum Overview
WC 05/06	Geometric Reasoning continued
WC 12/06	
WC 19/06	Number sense <ul style="list-style-type: none"> - Mental arithmetic strategies - Using known facts to derive other facts, including algebraic expressions
WC 26/06	
WC 03/07	End of year examinations
WC 10/07	Sets and probability <ul style="list-style-type: none"> - Identify and represent sets - Interpret and create Venn diagrams - Understand and use the union and intersection of sets - Generate sample spaces for single events - Understand and use the probability scale - Know and use the fact that probabilities of all possible outcomes sum to one - Understand the complement of a set
WC 17/07	