LONG TERM PLANS

Year Overview

Faculty: Mathematics

YEAR 7

Autumn term

Half Term 1	Half Term 2
Place value, integers and decimals **Addition and subtraction** ; (incl. decimals); estimation; perimeter; use standard unit of mass, length, time; word problems	**Multiply and divide** (incl.decimals); Factors, HCF; multiples, LCM; primes; **area** of rectangle and triangle; money; convert between units for length and area

Spring term

Half Term 1	Half Term 2
Fractions Equivalent fractions; compare and order fractions and decimals; change mixed numbers into improper fractions and vv; fraction of a quantity; multiply and divide fractions; add and subtract fractions	**Percentages** read and interpret pie charts; convert between percentages and fractions and decimals; percentage of a quantity; find the whole given the part and percentage

Summer term

Half Term 1	Half Term 2
Applications of algebra: Order of operations; substitution (incl. decimals and fractions); solve word problems with expressions; sequences(term-to-term, not nth term) (no negative numbers yet)	**Geometry and Statistics :** scales, angles, properties of 2D shapes and pie charts Draw, measure and name acute and obtuse angles; find unknown angles (straight lines, at a point, vertically opposite); properties of triangles and quadrilaterals.; Bowland assessment; maths projects**.**