Mathematics

Diocese of Hereford Multi-Academy Trust

LUDLOW C.E. SCHOOL

YEAR 9

Reasoning with Number

- Number s
- Using percentages
- Maths and money

Representations

- Solving problems using graphs, tables and algebra

Reasoning with Geometry

- Deduction
- Rotation and Translation
- Pythagoras' Theorem

Reasoning with Proportion

- Enlargement and similarity
- Solving ratio and proportion problems
- Rates

Constructing in 2 and 3 Dimensions

- Three dimensional shapes
- Constructions and congruency

Reasoning with Algebra

- Straight line graphs
- Forming and solving equations
- Testing conjectures

Reasoning with data

- The data handling cycle
- Measures of location

YEAR 8

Algebraic Techniques

- Brackets, equations and inequalities
- Sequences
- Indices

Developing Number

- Fractions and percentages
- Standard index form
- Number Sense

Developing Geometry

- Angles in parallel lines and polygons
- Area of trapezia and circles
- Line symmetry and reflection

Representations

- Working in the cartesian plane
- Representing data
- Tables and probability

Proportional Reasoning

- Ratio and scale
- Multiplicative change
- Multiplying and dividing fractions

Reasoning with Number

- Developing Number Sense
- Sets and Probability
- Prime numbers and proof

YEAR 7

Directed Number

- Four operations with directed number

Fractional Thinking

- Addition and subtraction with fractions

Lines and Angles

- Constructing, measuring and using geometric notation

Application of Number

- Solving problems with addition and subtraction
- Multiplication and division
- Fractions and decimals of amounts

Place Value and Proportion

- Place Value
- Ordering Integers and Decimals
- Fraction, decimal and percentage equivalence

Algebraic Thinking

- Sequences
- Understand and use Algebraic notation
- Equality and Equivalence

White Rose Maths