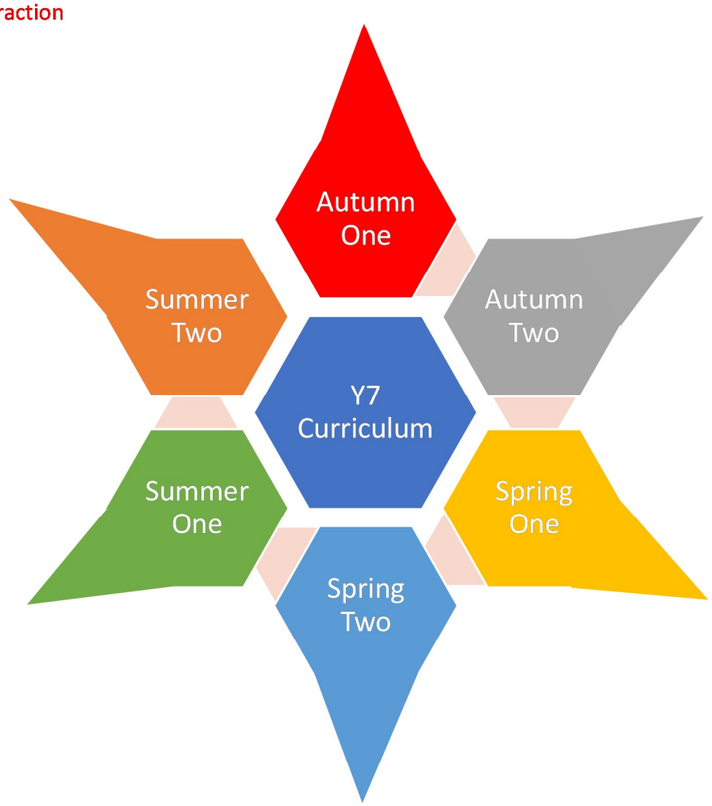
Le Rocquier School – Year 7 Mathematics Curriculum

- Place Value and Ordering
- Estimation, Rounding and Approximation
- Formal Methods for Addition and Subtraction
- Mental Methods for Addition and Subtraction
- Perimeter and Measure
- Money
- Directed Addition and Subtraction
- Time

- Tally and Bar Charts
- Constructing Pie Charts
- Interpreting Pie Charts
- Consolidation
- Extension



- Multiples
- Area of Rectilinear Shapes
- Metric Conversions
- Factors
- Methods of Multiplication
- Methods of Division
- Multiplication and Division with Decimals
- Area of Triangles
- Area of Compound Shapes
- BIDMAS/BODMAS

- Using a Protractor
- Angles on a Straight Line
- Angles Around a Point
- Angles Around Intersecting Lines
- Lines of Symmetry
- Properties of Triangles
- Properties of Quadrilaterals
- Volume of Cuboids

- Equivalent Fractions
- Fractions, Decimals and Percentages Equivalence
- Mixed Numbers to Improper Fractions
- Fractions of Quantities
- Addition and Subtraction of Fractions
- Multiplication of Fractions
- Division of Fractions

- Introduction to Algebra
- Simplifying Expressions
- Solving Equations
- Substitution
- Sequences with Term-to-Term Rules

Le Rocquier School – Year 7 Mathematics Learning Overview

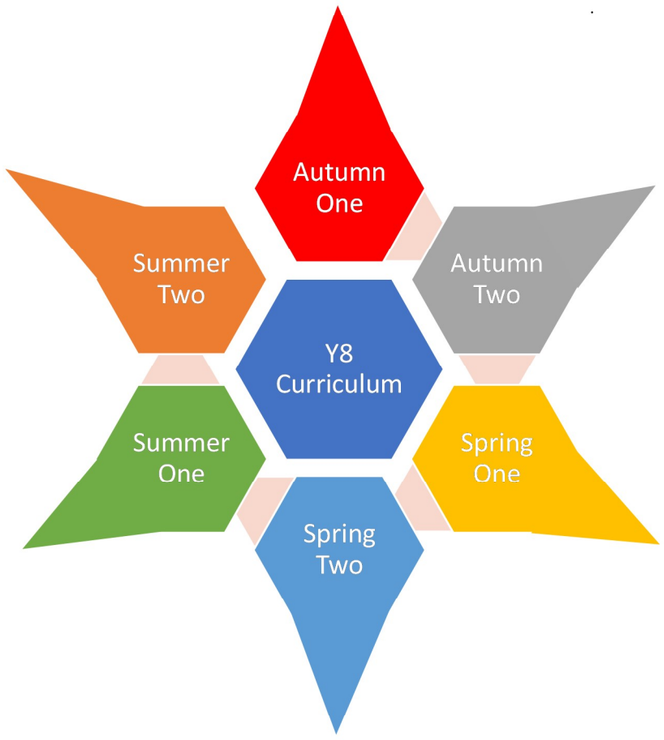
Term One	Term Two
Week One – Welcome to Le Rocquier, Place Value and Ordering Week Two – Estimation, Rounding and Approximation Week Three – Formal Methods for Addition and Subtraction, Inverse Introduction Week Four – Mental Methods for Addition Week Five – Mental Methods for Subtraction Week Six – Perimeter, Measurement and Money Week Seven - Directed Addition and Subtraction Week Eight – Time, End of Term Assessment	Week One –Area of Rectilinear Shapes, Multiples Week Two – Factors, One-Digit by Four-Digit Formal Multiplication Week Three – Two-Digit by Four-Digit Formal Multiplication Week Four – Short Division Methods Week Five – Long Division Week Six – Area of Triangles and of Compound Shapes Week Seven – BIDMAS, End of Term Assessment
Term Three	**Term Four**
Week One – Equivalent Fractions and Simplifying Week Two – Fraction, Decimal and Percentage Equivalence Week Three – Converting Between Mixed and Improper Fractions Week Four – Adding and Subtracting Fractions Week Five – Multiplying and Dividing Fractions Week Six – Finding Fractions and Percentages of Quantities Week Seven – Consolidation, End of Term Assessment	Week One – Identification of Algebra, Simplifying Expressions I (Addition and Subtraction) Week Two – Simplifying Expressions II (Multiplication, Division, and Indices) Week Three – BIDMAS Revision and Function Machines Week Four – Function Machines II, Substitution Week Five – Identifying Linear Sequences and following Term to Term Written Rules Week Six – Identifying Written Rules and End of Term Test
Term Five	**Term Six**
Week One – Calculating, Drawing and Measuring Angles Up to 90° Week Two – Calculating, Drawing and Measuring Angles Up to 180° Week Three – Calculating, Drawing and Measuring Angles Up to 360° Week Four – Properties of Triangles Week Five –Properties of Quadrilaterals Week Six – Combined Angles Questions, End of Term Assessment	Week One – Tally and Bar Charts Week Two – Interpreting and Drawing Pie Charts Week Three – Test, Consolidation Week Four – Activities Week Week Five – Data Analysis, Consolidation Week Six – Consolidation/Extension Week Seven – Consolidation/Extension

**New teacher and timetable*

Le Rocquier School – Year 8 Mathematics Curriculum

- Factors, Multiples and Primes
- Squares, Cubes, and Indices
- Prime Factorisation
- Area of 2D Shapes Revision
- Surface Area
- Volume

- The Mode, Median and Range
- The Mean
- Interpreting Averages
- Consolidation
- Extension



- Algebra Revision
- Solving 2-Step Equations
- Substitution into a Formula
- Inequalities
- Following the nth Rule
- Finding the nth Rule

- Venn Diagrams
- Probability of Single Events
- Probability and Tables
- Probability Scale

- Angles Revision
- Bearings
- Angles on Parallel Lines
- Constructing Triangles
- Exterior and Interior Angles
- Diagonal Angles in Quadrilaterals

- Four Operations with Fractions
- FDP Equivalence
- FDP of Amounts
- Find Percentage Change
- Simple Interest
- Simplifying Ratio
- Dividing by a Ratio
- Comparison of Ratio to Fractions

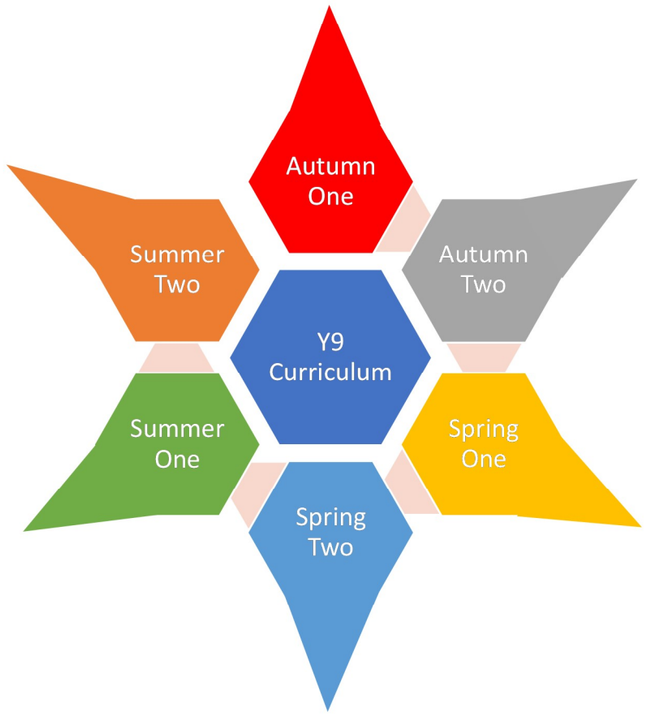
Le Rocquier School – Year 8 Mathematics Learning Overview

Term One	**Term Two**
Week One – Factors, Multiples, and Primes Week Two – Squares, Cubes, and Indices Week Three – Prime Factorisation Week Four – Area of 2D Shapes Revision, Nets Week Five – Surface Area Week Six – Volume	Week One – Algebra (Y7 Revision)/Solving Two-Step Equations Week Two – Solving Two-Step Equations Continued Week Three – Substitution into Formulae Week Four – Inequalities Week Five – Following the nth Rule of a Sequence Week Six – Finding the nth Rule of a Sequence
Term Three	**Term Four**
Week One – Angles Revision Week Two - Bearings Week Three – Angles on Parallel Lines Week Four – Constructing Triangles Week Five – Interior and Exterior Angles in Polygons Week Six – Interior and Exterior Angles Continued, Diagonal Angles in Quadrilaterals	Week One – Four Operations with Fractions Week Two – Fractions, Decimal and Percentage (FDP) Equivalence; FDP of Amounts Week Three – Percentage Change and Simple Interest Week Four – Simplifying Ratio Week Five – Dividing by a Ratio Week Six – Comparing Ratio and Fractions
Term Five	**Term Six**
Week One – Venn Diagrams I (Intersection and Union of Sets) Week Two – Venn Diagrams II (Complement of a Set and Consolidation) Week Three – Probability I (Probability Scales) Week Four – Probability II (Sample Space Diagrams) Week Five – Probabilities III (Two-Way Tables and Venn Diagrams) Week Six – Probabilities IV (Product Rule)	Week One – The Mode, Median and Range Week Two – The Mean Week Three – Interpreting Averages Week Four – Activities Week Week Five – Consolidation of Year 8 Curriculum Week Six – Extension of Year 8 Curriculum **New teacher and timetable*

Le Rocquier School – Year 9 Mathematics Curriculum

- 4-Quadrant Cartesian Coordinates
- Translation
- Vectors
- Reflection
- Rotation
- Enlargement
- Congruence and Similarity

- Solving Inequalities
- Graphical Inequalities
- Graphical Simultaneous Equations
- Y9 Consolidation
- Y9 Extension



- Metric Conversions
- Standard Form
- Speed, Distance and Time
- Ratio and Proportion
- Relative Frequency
- Currency Conversions
- Simple and Compound Interest

- Area and Angles Revision
- Construction (Bisectors)
- Pythagoras' Theorem
- Trigonometry

- Charts and Averages Revision
- Line Graphs
- Scatter Graphs
- Averages from Grouped Frequency Tables
- Probability Trees

- Equations with Unknowns on Both Sides
- Linear Graphs
- Expanding Binomials
- Factorising Binomials
- Simultaneous Equations

Le Rocquier School – Year 9 Mathematics Learning Overview

Term One	Term Two
Week One – 4-Quadrant Coordinates Week Two – Translation (including Vectors) Week Three – Vectors Continued, x=y Graphs Week Four – Reflection Week Five – Rotation Week Six – Enlargement	Week One – Metric Conversions Week Two – Standard Form Week Three – Speed, Distance and Time Week Four – Ratio and Proportion Week Five – Ratio and Proportion Continued Week Six – Simple and Compound Interest
Term Three	**Term Four**
Week One – Charts and Averages Revision Week Two – Line Graphs and Scatter Graphs Week Three – Averages from Grouped Frequency Tables I Week Four – Averages from Grouped Frequency Tables II Week Five – Probability Tree (including Relative Frequency) I Week Six – Probability Trees (including Relative Frequency) II	Week One – Solving Equations with Unknowns on Both Sides Week Two – Linear Graphs Week Three – Expanding Quadratic Brackets Week Four – Factorising Quadratic Equations Week Five – Simultaneous Equations I Week Six – Simultaneous Equations II
Term Five	**Term Six**
Week One – Area and Angles Revision Week Two – Construction (including Bisectors) Week Three – Pythagoras' Theorem I Week Four Pythagoras' Theorem II Week Five – Trigonometry I Week Six – Trigonometry II	Week One – Solve Inequalities Week Two – Graphical Inequalities Week Three – Graphical Simultaneous Equations Week Four – Activities Week Week Five – Consolidation of Year 9 Curriculum Week Six – Extension of Year 9 Curriculum

*New teacher and timetable