Mathematics KS3: Year 7 (25/26)

Reteach

· Address the gaps after the end of Year assessment

Measures and Conversions

- Converting between metric units
- Converting between units of time
- Conversion graphs
- Calculating speed



Probability

- Probability scale
- Listing outcomes
- Experimental and theoretical probability
- Mutually exclusive and independent events
- Relative frequency
- Expected number of outcomes
- · Probability from two-way tables

SUMMER

3:2

Averages and Range

- Mode, median, range
- Mean from a list
- Reverse mean



Percentages (non calc)

- Calculating percentages without a calculator
- Increase/decrease by a given percentage

SPRING

2:2

- Percentage change
- **FDP** conversions

Decimals,

Rounding and Estimation

- Adding and subtracting decimals
- Rounding
- **Decimal Places**
- Significant figures
- Estimation by rounding

SUMMER

3:1 **Fractions**

- **Equivalent fractions**
- Comparing fractions
- Fractions of amounts
- Four operations with fractions
- Mixed numbers and **Improper Fractions**



Transformations

- Symmetry
- Reflection
- Rotation

Sequences Term to term rule

- Generate a sequence
- Fibonacci sequence

Find the nth term

Area and Perimeter

Two-way tables

Charts and Diagrams

Classifying 2d shapes

· Tally charts

Pictograms

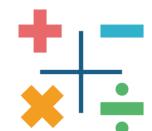
Bar charts

- Area and perimeter of triangles, quadrilaterals and trapezia
- Compound shapes

SPRING 2:1

Equations

- Solving one step linear equations
- Solving two step linear equations
- Solving linear equations with fractions and brackets



Graphs

- Coordinates
- Plotting and recognising y = x, y = -x, vertical and horizontal graphs
- Plotting linear graphs from a table of values

Circles

- Circumference of circles
- Area of circles

Angles

- Types of angles
- Drawing and measuring
- Angle rules
- Angle properties in special types of triangles and quadrilaterals

Algebraic Manipulation

- · Collect like terms
- Expand single
- Factorise single
- Substitution

AUTUMN 1:2

KS2/KS3 Transition

Addressing gaps from

- Four operations
- **Negative Numbers**

Ratio

- Use ratio notation
- Simplify ratios
- Ratios as fractions
- Dividing in a given ratio
- Currency conversions
- Recipe Problems

Calculator Introduction

Use of a calculator **AUTUMN** 1:1

OUR LEARNING JOURNEY

- Properties of number

