# Year 7 Mathematics Learning Journey

Cultural Capital:

**A2 – Manipulating and Simplifying expressions 1**
Substitution
Algebraic notation
Collecting like terms
Indices and Coefficients
Writing algebraic expressions

REVIEW

CHECK POINT

TEST
Endpoint assessment

REVIEW

Year 8

Cross Curricular links:

Cross Curricular links:

Cultural Capital:

Cultural Capital:

**NP9 – Estimation and Use of a calculator**
Significant figures and decimal places
Using a calculator
Error intervals
Truncation
Approximation
Using multipliers to find a percentage
Time and units

REVIEW

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**NP8 – Percentage Fractions and Decimals**
Equivalence
Working with percentages
Application and problem solving

Cross Curricular links:

Cultural Capital:

**A1 – Introduction to Algebraic Thinking**
Substitution
Solving equations
Simplifying
Inequalities

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REVIEW

**NP7 – Fractions**
Representations of fractions
Proper and improper fractions
Calculations with fractions
Application and problem solving

Cross Curricular links:

TEST
Endpoint assessment

REVIEW

SUMMER TERM

Cultural Capital:

REVIEW

Cultural Capital:

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**NP6 – Directed Numbers**
The number line
Calculations with negative numbers
Order of operations with negative numbers
Application and problem solving

REVIEW

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**NP5 – Order of operations**
Fluency in calculations
Order of operations
Application and problem solving

Cross Curricular links:

Cultural Capital:

Cross Curricular links:

**NP3 – Multiplication and division**
Fluency and mental strategies
Multiples and LCM
Working with decimals
Factors and HCF
Application and problem solving

CHECK POINT

REVIEW

**NP4 – Powers Root and primes**
Squares and cubes
Understanding index form
Roots
Addition and subtraction rules of powers
Prime factors

TEST
Endpoint assessment

REVIEW

SPRING TERM

Cross Curricular links:

REVIEW

Cultural Capital:

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**NP2- Addition and subtraction**
Numerical strategies
Working with decimals
Commutative and associative laws
Application and problem solving

REVIEW

CHECK POINT

**NP1 -Place value and the number line**
Working with Integers
Positive and negative numbers
Multiplying and dividing by powers of 10
Rounding
Estimation
Median of discrete data
Different bases

Cross Curricular links: What

AUTUMN TERM

Take part in a maths lesson during Transition week

Cultural capital: