

**YEAR 7 THRESHOLD CRITERIA- CYCLE 3**

**MATHS**

	<b>Unit 7</b>	<b>Unit 8</b>	<b>Unit 9</b>	<b>Unit 10</b>
	<b>Fractions</b>	<b>Manipulating and Simplifying Expressions</b>	<b>Percentages</b>	<b>Estimation and Use of a Calculator</b>
<b>Excellent</b>	Referent wholes and finding the whole  Multiply fractions by fractions  Divide fractions	Factorise into a single bracket  Write more complex expressions in context	Calculate percentage change  Use multipliers to increase and decrease amounts by a percentage	Express upper and lower bounds as an error interval
<b>Proficient</b>	Add and subtract fractions  Work out fractions of amounts  Write one number as a fraction of another  Multiply fractions by integers	Multiply and divide expressions  Simplify indices in algebra by using index laws  Expand a single bracket	Increase and decrease amounts by a given percentage by adding and subtracting  Express one quantity as a percentage of another	Identify upper and lower bounds  Understand the difference between truncating and rounding  Use a calculator to work out complex calculations
<b>Developing</b>	Convert between mixed numbers and improper fractions  Work with equivalent fractions  Write fractions in their simplest form  Order fractions	Add and subtract more complex expressions  Substitute values  Write simple expressions in context	Convert between fractions, decimals and percentages  Calculate percentages of amounts, with and without a calculator	Estimate answers to more complex calculations by rounding to 1 significant figure
<b>Acquiring</b>	Identify and write fractions  Represent fractions with diagrams and shading  Identify fractions that are equal to or greater than 1	Use algebraic notation  Identify the different parts of an expression and begin to simplify  Add and subtract simple expressions by collecting like terms	Understand the concept of percentages and find 50%, 25%, 75%, 10% of a given amount	Round numbers to 1 significant figure  Make estimates for simple calculations  Use calculator to check validity of answers