

**YEAR 7 THRESHOLD CRITERIA -CYCLE 2**

**MATHS**

	<b>Unit 4</b>	<b>Unit 5</b>	<b>Unit 6</b>
	<b>Powers, Roots and Primes</b>	<b>Order of Operations</b>	<b>Directed Number</b>
<b>Excellent</b>	<p>Solve problems with powers, roots and primes</p> <p>Use prime factor composition and decomposition</p> <p>Work out powers and roots of fractions</p>	<p>Solve mixed problems, including problems with exponentiation, brackets and the four operations</p>	<p>Use exponentiation with directed numbers</p>
<b>Proficient</b>	<p>Use higher order roots</p> <p>Use index laws</p> <p>Work out powers and roots of larger numbers</p>	<p>Carry out the four operations and exponentiation in the correct order</p>	<p>Multiply and divide directed numbers</p>
<b>Developing</b>	<p>Work out square and cube roots</p> <p>Work out the volume of cuboids</p> <p>Identify and use prime numbers</p>	<p>Understand commutativity</p> <p>Carry out the four operations in calculations involving brackets in the correct order</p>	<p>Identify zero pairs</p> <p>Add and subtract directed numbers</p>
<b>Acquiring</b>	<p>Identify square and cube numbers</p> <p>Use index notation</p> <p>Work out area of squares and rectangles</p>	<p>Carry out the four operations in the correct order for simple calculations</p> <p>Understand operations of equal importance</p>	<p>Place directed numbers on number lines</p> <p>Compare and order directed numbers</p>