

Half term 1	Key vocabulary
<p><b><u>Basic algebraic manipulation</u></b></p> <ul style="list-style-type: none"> <li>• Know the meaning of the words variable, expression, equation, formulae and identity [maths watch clip 7]</li> <li>• Collect like terms [maths watch clips 33, 34, 35]</li> <li>• Expand and simplify linear brackets [maths watch clip 134a]</li> <li>• Factorise an algebraic expression into a single bracket [maths watch clip 94]</li> <li>• Substitute into, simplify and use algebraic expressions [maths watch clip 95]</li> <li>• Change the subject of a formula where the subject only appears once [maths watch clip 136]</li> <li>• Write an algebraic expression [maths watch clip 137]</li> </ul> <p><b><u>Indices and standard form</u></b></p> <ul style="list-style-type: none"> <li>• Write a number as a power of another number [maths watch clips 82, 131]</li> <li>• Use index laws for multiplication, division and raising a power to a power [maths watch clips 82, 131]</li> <li>• Multiply and divide by powers of 10 [maths watch clip 30]</li> <li>• Write a number in standard form [maths watch clip 83]</li> <li>• Calculate with numbers in standard form [maths watch clip 83]</li> </ul> <p><b><u>Solving linear equations</u></b></p> <ul style="list-style-type: none"> <li>• Solve linear equations where the variable appears on only one side [maths watch clip 135a]</li> <li>• Solve equations where the variable appears in the numerator of a fraction [maths watch clip 135a]</li> <li>• Solve equations which involve brackets [maths watch clip 135a]</li> <li>• Solve equations where the variable appears on both sides [maths watch clip 135a]</li> </ul>	<p>Expression equation formula identity simplify substitute expand factorise linear term indices standard form powers linear equation solve variable numerator fraction</p>
	<p><b>Key ideas</b></p> <ul style="list-style-type: none"> <li>• The concept of using letters to represent unknowns and how to manipulate expressions.</li> <li>• Use of formulae to calculate values in real life context</li> <li>• Writing an algebraic expression or equation to represent a problem and using this expression or equation to solve a problem.</li> <li>• Expressing very large/small numbers in standard form and why standard form is used.</li> <li>• Solving linear equations with a varying level of difficulty.</li> </ul>