

# Year 7 Foundation/Higher Topic Overview - Autumn Term



## Autumn 1 - Algebraic Thinking

Unit	Topic	MathsWatch Video
Exploring sequences	Continue a sequence (diagrams/numbers)	<a href="#">A22</a>
	Explain the term to term rule of numerical sequences	<a href="#">A11a</a>
	Find missing numbers in sequences	<a href="#">A11a</a>
Understanding and using algebraic notation	Use function machines	<a href="#">36</a>
	Use algebraic notation	<a href="#">7</a>
	Use inverse operations	
	Substitute into expressions	<a href="#">A10</a>
	Generate sequences from a rule	<a href="#">A11a</a>
Equality and equivalence	Understanding equality, equivalence and fact families	
	Solve one step equations	<a href="#">A12</a>
	Collecting like terms	<a href="#">A6</a>
<b>LEARNING LANDMARK 1</b>		

## Autumn 2 - Place Value and Proportion

Unit	Topic	MathsWatch Video
Place value and ordering	Place value of integers up to 1 billion and decimals	<a href="#">N1a</a>   <a href="#">N1b</a>
	Use of number lines and scales for integers and decimals	<a href="#">N8</a>
	Rounding to 10, 100, 1000 etc.	<a href="#">N27a</a>
	Comparing and ordering integers and decimals	<a href="#">N2a</a>   <a href="#">N2b</a>
	Find range and median of a set of numbers	<a href="#">S6</a>
	Rounding to significant figures	<a href="#">N38</a>
	Writing large and small numbers in standard form	<a href="#">N45a</a>   <a href="#">N45b</a>
Fraction, decimal and percentage equivalence	Represent fractions as diagrams and on number lines	<a href="#">N23a</a>
	Convert between fractions decimals and percentages	<a href="#">N32</a>
	Use and interpret pie charts	<a href="#">S9</a>
	Understand equivalent fractions	<a href="#">N23b</a>