



Subject:

## Year 9 Curriculum Overview

2018-2019

<b>Half Term 1 Unit Title</b>	<b>Subject Content / Knowledge</b>	Indices and standard form Algebra manipulation
	<b>Skills</b>	<ul style="list-style-type: none"> <li>• Know and use the laws of indices for multiplying and dividing</li> <li>• Understand negative indices and powers of 0</li> <li>• Convert numbers to standard form</li> <li>• To calculate with standard form</li> <li>• Rearrange formula</li> <li>• Expand brackets and simplify expressions</li> </ul>
	<b>Assessment</b>	Autumn 1 Maths Assessment-Testing knowledge and skills acquired over Autumn 1
<b>Half Term 2 Unit Title</b>	<b>Subject Content / Knowledge</b>	Data collection and averages Enlargements Percentages Rates of change and proportion
	<b>Skills</b>	<ul style="list-style-type: none"> <li>- Understand types of data and samples for data collection</li> <li>- Compare data using averages</li> <li>- Complete enlargements of 2d shapes including with negative scale factors</li> <li>- Calculate percentage change and original values</li> </ul>

	<b>Assessment</b>	Autumn Maths Assessment (Higher and Foundation Tiers) – Assessment testing knowledge and skills acquired over Autumn 1 and Autumn 2
<b>Half Term 3 Unit Title</b>	<b>Subject Content / Knowledge</b>	Constructions Scales Equations
	<b>Skills</b>	<ul style="list-style-type: none"> <li>- Complete constructions of lines, angles and triangles</li> <li>- Draw plans and elevations</li> <li>- Solve linear equations</li> <li>- Solve simultaneous equations</li> </ul>
	<b>Assessment</b>	Spring 1 Maths Assessment (Higher and Foundation Tiers) - Assessment testing knowledge and skills acquired over Spring 1 with synoptic content from the Autumn Term
<b>Half Term 4 Unit Title</b>	<b>Subject Content / Knowledge</b>	Volume of prisms Surface area Circles and volume Pythagoras
	<b>Skills</b>	<ul style="list-style-type: none"> <li>- Learn and use the formulae for area and circumference of circles</li> <li>- Use Pythagoras to find missing sides</li> <li>- Find the volume of prisms</li> <li>- Find the surface area of prisms</li> </ul>
	<b>Assessment</b>	Spring Maths Assessment (Higher and Foundation Tiers) – Assessment testing knowledge and skills acquired over Spring 1 and Spring 2, with some synoptic content from the Autumn Term
<b>Half Term 5 Unit Title</b>	<b>Subject Content / Knowledge</b>	Sequences Graphs Probability
	<b>Skills</b>	<ul style="list-style-type: none"> <li>- Find and use the nth term</li> </ul>

		<ul style="list-style-type: none"> <li>- Plot graphs of linear functions</li> <li>- Plot graphs of quadratic functions</li> <li>- Calculate probabilities</li> <li>- Find outcomes from lists and tables</li> <li>- Understand experimental probability</li> </ul>
	<b>Assessment</b>	Summer 1 Maths Assessment (Higher and Foundation Tiers) - Assessment testing knowledge and skills acquired over Summer 1 with synoptic content from the Autumn and Spring Terms
<b><u>Half Term 6</u></b> <b>Unit Title</b>	<b>Subject Content / Knowledge</b>	GCSE revision
	<b>Skills</b>	<ul style="list-style-type: none"> <li>- To revise and recap topics from the year</li> <li>- To practice GCSE style questions</li> </ul>
	<b>Assessment</b>	Assessment End of Year Maths Assessment (GCSE papers)(Higher and Foundation Tiers)