

Math Curriculum Guide

<p>Curriculum Intent Year 7</p>	<p>To master the key skills and apply their knowledge to challenging and unfamiliar contexts.</p>		
<p>Curriculum Content</p>	<p>Half Term 1 Types of Number and Sequences Index Notation Factors, Primes and HCF Place value of integers and decimal, measure and standard form Half Term 4 Multiplication and Division Order of operations Developing multiplicative reasoning Understanding algebraic conventions</p>	<p>Half Term 2 Comparing and Ordering Rounding and Estimating Equipment Use (Geometry equipment and calculations) Half Term 5 Algebraic vocabulary Function machines Collecting and simplifying like terms Expanding and factorising</p>	<p>Half Term 3 Labelling conventions Properties of 2D shapes Symmetry Addition and Subtraction with integers and decimals Half Term 6 Linear Sequences and nth term rule Rounding decimals Converting decimals, fractions and percentages</p>
<p>Assessment</p>	<p>3x End of Unit assessments throughout the year. End of Year Assessment. Standardised 'Progress Through Maths' Assessments</p>		
<p>What can you do to support your child in Math</p>	<p>Encourage your child to complete their homework and extra XP Boost/Target tasks on Sparx. Times tables practice</p>		
<p>Links to useful revision aids or online revision resources</p>	<p>www.sparxmaths.com – SWA mathematics homework platform www.mathsframe.co.uk – revision games for various topics www.mathigon.org – online activities and manipulatives www.cgpbooks.co.uk – CGP KS3 Revision guides and workbooks</p>		



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<p>Curriculum Intent Year 8</p>	<p>To master the key skills and apply their knowledge to challenging and unfamiliar contexts.</p>		
<p>Curriculum Content</p>	<p>Half Term 1 Solving Equations Coordinates Ordering and Equivalence</p> <p>Half Term 4 Perimeter and Area continued Ratios</p>	<p>Half Term 2 Operations with fractions Probability</p> <p>Half Term 5 Angles</p>	<p>Half Term 3 Forward percentages Perimeter and Area</p> <p>Half Term 6 Linear Graphs 3D Shapes</p>
<p>Assessment</p>	<p>3x End of Unit assessments throughout the year. End of Year Assessment. Standardised 'Progress Through Maths' Assessments</p>		
<p>What can you do to support your child in Math</p>	<p>Encourage your child to complete their homework and extra XP Boost/Target tasks on Sparx. Times tables practice</p>		
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<p>Curriculum Intent Year 9</p>	<p>AQA 3 x 90 Minute Exam Papers – 1 Non-Calculator and 2 Calculator</p>		
<p>Curriculum Content</p>	<p>Half Term 1 Indices Circles Proportion Graphs and Charts 1 Half Term 4 Angle Properties 2 Percentages – Backwards Percentages Similarity and Congruence</p>	<p>Half Term 2 Charts and Graphs 1 Construction and Loci Volume 1 Transformations Half Term 5 Rearranging Formulae Pythagoras Theorem Linear Graphs 2</p>	<p>Half Term 3 Algebra – Expanding Double Brackets Algebra – Further Solving Equations Scatter Graphs Angle Properties Half Term 6 Averages and Sampling Advanced Probability</p>
<p>Assessment</p>	<p>2 Mid-Year Assessments End of Year Assessment*</p>		
<p>What can you do to support your child in Math</p>	<p>Be aware of key assessment dates Encourage your child to complete their homework and extra XP Boost/Target tasks on Sparx Encourage your child to revise regularly using resources mentioned below.</p>		
<p>Links to useful revision aids or online revision resources</p>	<p>www.sparxmaths.com, www.mathsgenie.co.uk, www.corbettmaths.com, www.onmaths.com, www.khanacademy.org www.cgpbook.co.uk - CGP AQA Mathematics guide and workbooks</p>		<p>Stamford Welland Academy</p>

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<p>Curriculum Intent Year 10</p>	<p>AQA 3 x 90 Minute Exam Papers – 1 Non-Calculator and 2 Calculator</p>		
<p>Curriculum Content</p>	<p>Half Term 1 Percentages Similarity Linear Graphs Recap Transformations Recap Half Term 4 Probability and Sets Using Exact Values (Trig) Box Plots and Cumulative Frequency</p>	<p>Half Term 2 Quadratics Congruency, Pythagoras and Trigonometry Half Term 5 Forming equations and solving using Iteration Simultaneous Equations</p>	<p>Half Term 3 Direct and Inverse Proportion Powers and Roots Listing Strategies and Probability Half Term 6 Histograms (H) Bar and Pie Charts (F) Revision & Mocks</p>
<p>Assessment</p>	<p>2 Mid-Year Assessments End of Year Mock</p>		
<p>What can you do to support your child in Math</p>	<p>Be aware of key assessment dates Encourage your child to complete their homework and extra XP Boost/Target tasks on Sparx Encourage your child to revise regularly using resources mentioned below.</p>		
<p>Links to useful revision aids or online revision resources</p>	<p>www.sparxmaths.com, www.mathsgenie.co.uk, www.corbettmaths.com, www.onmaths.com, www.khanacademy.org www.cgpbook.co.uk - CGP AQA Mathematics guide and workbooks</p>		<p>Stamford Welland Academy</p>

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Curriculum Intent Year 11	AQA 3 x 90 Minute Exam Papers – 1 Non-Calculator and 2 Calculator		
Curriculum Content	<p>Half Term 1</p> <p>Fractions and Decimals</p> <p>Sequences</p> <p>Vectors</p> <p>Further Trigonometry</p> <p>Quadratics and inequalities (H & F)</p> <p>Algebraic Fractions (H)</p> <p>Proof (H)</p> <p>Box Plots and Cumulative Frequency</p> <p>Half Term 4</p> <p>Mock Exams 2</p> <p>Revision</p>	<p>Half Term 2</p> <p>Box Plots and Cumulative Frequency</p> <p>Graphs of Functions</p> <p>Mock Exams 1</p> <p>Graphs of Functions continued</p> <p>Half Term 5</p> <p>GCSE Exams Begin</p>	<p>Half Term 3</p> <p>Further Graphs</p> <p>Surface Area and Volume</p> <p>Circle Theorems (H)</p> <p>Half Term 6</p>
Assessment	Low Stakes Assessment November/February Mock Exams		
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