

Year 7 Curriculum Overview Plan: Mathematics

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p>Key Themes: Number, Geometry</p> <p>Key Concepts, Knowledge & Skills to be Embedded: 7.0 - Time & Units of Measurement 7.1 - The Number System 7.2 - Rounding 7.3 - Basic Geometry Conventions, Notation & Terms 7.4 - Addition & Subtraction</p> <p>Links to Prior Learning: KS2 Curriculum – Number and Geometry</p>	<p>Key Theme: Number</p> <p>Key Concepts, Knowledge & Skills to be Embedded: 7.5 – Coordinate Geometry 7.6 – Multiplication & Division 7.7 – Powers & BIDMAS</p> <p>Links to Prior Learning: KS2 Curriculum – Number Year 7 Scheme – Units 7.1, 7.2, 7.3, 7.4.</p>	<p>Key Themes: Number, Algebra</p> <p>Key Concepts, Knowledge & Skills to be Embedded: 7.8 – Calculating with Negatives 7.9 – Introduction to Algebra 7.10 – Factors & Primes</p> <p>Links to Prior Learning: KS2 Curriculum – Number and Algebra Year 7 Scheme – Units 7.1, 7.4, 7.6, 7.7.</p>	<p>Key Themes: Geometry, Number</p> <p>Key Concepts, Knowledge & Skills to be Embedded: 7.11 – Perimeter 7.12 – Multiples 7.13 – Area</p> <p>Links to Prior Learning: KS2 Curriculum – Number and Geometry Year 7 Scheme – Units 7.0, 7.8, 7.9, 7.10</p>	<p>Key Themes: Statistics, Algebra</p> <p>Key Concepts, Knowledge & Skills to be Embedded: 7.14 – Averages 7.15 – Linear Graphs</p> <p>Links to Prior Learning: KS2 Curriculum – Data Year 7 Scheme – Units 7.5, 7.8, 7.13</p>	<p>Key Themes: Statistics</p> <p>Key Concepts, Knowledge & Skills to be Embedded: 7.16 – Range</p> <p>Links to Prior Learning: KS2 Curriculum – Data Year 7 Scheme – Unit 7.14</p>

<p>Key Assessment Pieces: Baseline Quiz</p> <p>Tier 3 Vocabulary Vault: Analogue, digital, numerator, denominator, terminating, inverse, estimate, accuracy, vertex, triangle, quadrilateral, polygon, regular, irregular, common denominator.</p> <p>Reading Exposure: Contextualised reading where appropriate to the lesson. Worded questions (including exam style questions) throughout lessons.</p> <p>Strategies to enable new concepts, knowledge & skills to embed in long-term memory:</p>	<p>Key Assessment Pieces: Baseline Re-Quiz</p> <p>Tier 3 Vocabulary Vault: Square root, cube root, order, index, power, product, reciprocal, inverse, improper fraction, scale.</p> <p>Reading Exposure: Contextualised reading where appropriate to the lesson. Worded questions (including exam style questions) throughout lessons.</p> <p>Strategies to enable new concepts, knowledge & skills to embed in long-term memory:</p>	<p>Key Assessment Pieces: -</p> <p>Tier 3 Vocabulary Vault: Integer, sum, difference, product, variable, term, balance, equal, like terms, expand, highest common factor.</p> <p>Reading Exposure: Contextualised reading where appropriate to the lesson. Worded questions (including exam style questions) throughout lessons.</p> <p>Strategies to enable new concepts, knowledge & skills to embed in long-term memory:</p>	<p>Key Assessment Pieces: Y7 Quiz 1</p> <p>Tier 3 Vocabulary Vault: Composite, centre, radius, diameter, arc, semi-circle, pi, lowest common multiple, sector.</p> <p>Reading Exposure: Contextualised reading where appropriate to the lesson. Worded questions (including exam style questions) throughout lessons.</p> <p>Strategies to enable new concepts, knowledge & skills to embed in long-term memory:</p>	<p>Key Assessment Pieces: -</p> <p>Tier 3 Vocabulary Vault: Frequency, sum, midpoint, extreme value, axis, scale, steepness, intercept, coordinates.</p> <p>Reading Exposure: Contextualised reading where appropriate to the lesson. Worded questions (including exam style questions) throughout lessons.</p> <p>Strategies to enable new concepts, knowledge & skills to embed in long-term memory:</p>	<p>Key Assessment Pieces: Y7 Quiz 2</p> <p>Tier 3 Vocabulary Vault: Spread, distribution.</p> <p>Reading Exposure: Contextualised reading where appropriate to the lesson. Worded questions (including exam style questions) throughout lessons.</p> <p>Strategies to enable new concepts, knowledge & skills to embed in long-term memory:</p>
--	---	---	--	--	---

<p>Diagnostic questions used in DIN tasks for retrieval practice purposes, mini-quizzes using ABCD answer cards.</p>	<p>Diagnostic questions used in DIN tasks for retrieval practice purposes, mini-quizzes using ABCD answer cards.</p>	<p>Diagnostic questions used in DIN tasks for retrieval practice purposes, mini-quizzes using ABCD answer cards.</p>	<p>Diagnostic questions used in DIN tasks for retrieval practice purposes, mini-quizzes using ABCD answer cards.</p>	<p>Diagnostic questions used in DIN tasks for retrieval practice purposes, mini-quizzes using ABCD answer cards.</p>	<p>Diagnostic questions used in DIN tasks for retrieval practice purposes, mini-quizzes using ABCD answer cards.</p> <p>*Time calendared to recap Y7 key concepts where more depth needed*</p>
--	--	--	--	--	---