

Year 9 Curriculum Overview Plan 2021-2022: Mathematics (Enhanced)

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p>Key Theme: Geometry, Probability, Number</p> <p>Key Concepts, Knowledge & Skills to be Embedded: 8.11 – Transformations 8.12 – Relative Frequency 8.13 – Maps and Scales 9.1h – Indices and Standard Form</p> <p>Links to Prior Learning: Year 7 Scheme - 7.0, 7.1, 7.3, 7.5, 7.6, 7.7, 7.8, 7.13, 7.15. Year 8 Scheme - 8.1, 8.2, 8.8, 8.9.</p>	<p>Key Theme: Algebra</p> <p>Key Concepts, Knowledge & Skills to be Embedded: 9.2h – Quadratics</p> <p>Links to Prior Learning: Year 7 Scheme - 7.5, 7.8, 7.15. Year 8 Scheme - 8.6.</p>	<p>Key Theme: Number, Geometry</p> <p>Key Concepts, Knowledge & Skills to be Embedded: 9.3h – Metric & Imperial Units 9.4h – Pythagoras’ Theorem 9.5h – Proportion 9.6h – Congruence</p> <p>Links to Prior Learning: Year 7 Scheme - 7.0, 7.1, 7.3, 7.6, 7.7, 7.8, 7.10, 7.15. Year 8 Scheme - 8.1, 8.4, 8.6, 8.8, 8.9, 8.11, 8.13. Year 9 Scheme - 9.2h.</p>	<p>Key Theme: Number, Geometry</p> <p>Key Concepts, Knowledge & Skills to be Embedded: 9.7h – Inequalities 9.8h – Similarity 9.9h – Rounding & Bounds 9.10h – Compound Units</p> <p>Links to Prior Learning: Year 7 Scheme - 7.0, 7.1, 7.2, 7.3, 7.8, 7.10, 7.12, 7.13. Year 8 Scheme - 8.4, 8.6, 8.7, 8.8, 8.9, 8.11, 8.13. Year 9 Scheme - 9.3h, 9.6h.</p>	<p>Key Theme: Probability</p> <p>Key Concepts, Knowledge & Skills to be Embedded: 9.11h – Probability Diagrams</p> <p>Links to Prior Learning: Year 8 Scheme - 8.10, 8.12.</p>	<p>Key Theme: Algebra</p> <p>Key Concepts, Knowledge & Skills to be Embedded: 9.12h – Real-life Graphs</p> <p>Links to Prior Learning: Year 7 Scheme – 7.5, 7.15. Year 8 Scheme - 8.8. Year 9 Scheme - 9.2h, 9.5h, 9.7h, 9.10h.</p>

<p>Key Assessment Pieces: -</p> <p>Tier 3 Vocabulary Vault: Origin, transformation, trial, experimental probability, reciprocal, base.</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: Diagnostic questions used in DIN tasks for retrieval practice</p>	<p>Key Assessment Pieces: Quiz 1</p> <p>Tier 3 Vocabulary Vault: Constant, roots, parabola, curve, discriminant.</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: Diagnostic questions used in DIN tasks for retrieval practice</p>	<p>Key Assessment Pieces: Quiz 2</p> <p>Tier 3 Vocabulary Vault: Prefixes – centi-, milli-, kilo-, perpendicular, linear, corresponding, hypotenuse, frustum, proportionality constant.</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: Diagnostic questions used in DIN tasks for retrieval practice</p>	<p>Key Assessment Pieces: -</p> <p>Tier 3 Vocabulary Vault: Integer, scale factor, root, compound, recurring, region,</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: Diagnostic questions used in DIN tasks for retrieval practice</p>	<p>Key Assessment Pieces: Quiz 3</p> <p>Tier 3 Vocabulary Vault: Sets (set notation)</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: Diagnostic questions used in DIN tasks for retrieval practice</p>	<p>Key Assessment Pieces: Quiz 4</p> <p>Tier 3 Vocabulary Vault: Intercept, fixed charge, formula, conversion, displacement, velocity, acceleration, constant</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: Diagnostic questions used in DIN tasks for retrieval practice</p>
--	--	---	---	--	---

purposes, mini-quizzes using ABCD answer cards.	purposes, mini-quizzes using ABCD answer cards.	purposes, mini-quizzes using ABCD answer cards.	purposes, mini-quizzes using ABCD answer cards.	purposes, mini-quizzes using ABCD answer cards.	purposes, mini-quizzes using ABCD answer cards. *Time calendared to recap key concepts where more depth needed*
---	---	---	---	---	---