

## Year 10 Curriculum Overview Plan 2021-22: Mathematics (Foundation)

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Key Theme: Number, Geometry	Key Theme: Number, Statistics, Algebra	<b>Key Theme:</b> Algebra, Geometry	<b>Key Theme:</b> Algebra, Geometry, Data	<b>Key Theme:</b> Geometry, Number	<b>Key Theme:</b> Number, Algebra, Geometry, Statistics
Key Concepts, Knowledge & Skills to be Embedded: 9.3f – Metric & Imperial Units 9.4f – Pythagoras' Theorem 9.5f – Proportion 9.6f – Congruence 9.7f – Inequalities 9.8f – Similarity	Key Concepts, Knowledge & Skills to be Embedded: 9.9f – Rounding & Bounds 9.10f – Compound Units 9.11f – Probability Diagrams 9.12f – Real-life Graphs	Key Concepts, Knowledge & Skills to be Embedded: 10.1f – Other Graphs 10.2f – Compound Growth 10.3f – Simultaneous Equations 10.4f – Constructions	Key Concepts, Knowledge & Skills to be Embedded: 10.5f – Other Sequences 10.6f – Vectors 10.7f – Identities & Proof 10.8f – Scatter Graphs	Key Concepts, Knowledge & Skills to be Embedded: 10.9f – Trigonometry 10.10f – Ratio Revisited	Key Concepts, Knowledge & Skills to be Embedded: Revision of all Schemes – use whole class student QLAs to determine key areas to revisit for final year GCSE mocks.
Links to Prior Learning: Year 7 Scheme - 7.0, 7.1, 7.3, 7.6, 7.7, 7.8, 7.10, 7.12, 7.13, 7.15. Year 8 Scheme - 8.1, 8.4, 8.6, 8.7, 8.8, 8.9, 8.11, 8.13. Year 9 Scheme - 9.2f.	Links to Prior Learning: Year 7 Scheme – 7.5, 7.15. Year 8 Scheme - 8.8, 8.10, 8.12. Year 9 Scheme - 9.2f, 9.5f, 9.10f.	Links to Prior Learning: Year 7 Scheme – 7.3, 7.8, 7.15. Year 8 Scheme – 8.1, 8.6, 8.13. Year 9 Scheme - 9.2f, 9.12f.	Links to Prior Learning: Year 7 Scheme – 7.5, 7.7, 7.8. Year 8 Scheme – 8.3, 8.6, 8.11. Year 9 Scheme – 9.2f.	Links to Prior Learning: Year 8 Scheme – 8.4, 8.6, 8.8. Year 9 Scheme – 9.4f	Links to Prior Learning: All.



Key Assessment	Key Assessment	Key Assessment	Key Assessment	Key Assessment	Key Assessment
Pieces: Quiz 1	Pieces: Quiz 1	<b>Pieces:</b> Quiz 2	Pieces: -	Pieces: Quiz 3	<b>Pieces:</b> GCSE Foundation Mock Papers (1-3)
Tier 3 Vocabulary Vault: Prefixes – centi-, milli-, kilo-, perpendicular, linear, corresponding, hypotenuse, integer, scale factor, root	Tier 3 Vocabulary Vault: Recurring, compound, given, order, intercept, fixed charge, cost per, formula, conversion, displacement, velocity, acceleration, constant	Tier 3 Vocabulary Vault: Intercept, turning point, root, repeated, power, index, intersect, variable, coefficient, eliminate, substitute, rearrange, compasses, equidistant.	Tier 3 Vocabulary Vault: Common difference, term, magnitude, direction, simplify, prove, consecutive, variables, relationship, positive, negative, zero, origin,	<b>Tier 3 Vocabulary</b> <b>Vault:</b> Sine, cosine, tangent, inverse, adjacent, opposite, hypotenuse.	<b>Tier 3 Vocabulary Vault:</b> As appropriate.
<b>Reading Exposure:</b> Contextualised reading where appropriate to the lesson. Worded questions (including exam style questions) throughout lessons.	<b>Reading Exposure:</b> Contextualised reading where appropriate to the lesson. Worded questions (including exam style questions) throughout lessons.	<b>Reading Exposure:</b> Contextualised reading where appropriate to the lesson. Worded questions (including exam style questions) throughout lessons.	Reading Exposure: Contextualised reading where appropriate to the lesson. Worded questions (including exam style questions) throughout lessons.	Reading Exposure: Contextualised reading where appropriate to the lesson. Worded questions (including exam style questions) throughout lessons.	Reading Exposure: Contextualised reading where appropriate to the lesson. Worded questions (including exam style questions) throughout lessons.
Strategies to enable new concepts, knowledge & skills	Strategies to enable new concepts, knowledge & skills	Strategies to enable new concepts, knowledge & skills	Strategies to enable new concepts, knowledge & skills	Strategies to enable new concepts, knowledge & skills	Strategies to enable new concepts, knowledge & skills



| to embed in long-   |
|---|---|---|---|---|---|
| term memory:  |
| Diagnostic questions<br>used in DIN tasks for<br>retrieval practice<br>purposes, mini-<br>quizzes using ABCD<br>answer cards. | Diagnostic questions<br>used in DIN tasks for<br>retrieval practice<br>purposes, mini-<br>quizzes using ABCD<br>answer cards. | Diagnostic questions<br>used in DIN tasks for<br>retrieval practice<br>purposes, mini-<br>quizzes using ABCD<br>answer cards. | Diagnostic questions<br>used in DIN tasks for<br>retrieval practice<br>purposes, mini-<br>quizzes using ABCD<br>answer cards. | Diagnostic questions<br>used in DIN tasks for<br>retrieval practice<br>purposes, mini-<br>quizzes using ABCD<br>answer cards. | Diagnostic questions<br>used in DIN tasks for<br>retrieval practice<br>purposes, mini-<br>quizzes using ABCD<br>answer cards. |
|   |   |   |   |   | *Time calendared to<br>recap key concepts<br>where more depth<br>needed*  |