**Year 8 Mathematics Delta Learning Journey 2022-2023**

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| **Week** | **Date** | **Key Constructs** | **Topic- Please plan for pause/ RAP lessons** | **Assessment** |
| **1** | **05.09.22** | **Types of number****Indices****Place value and rounding** | Prime factor decomposition* Laws of indices
* Powers of ten/significant figures
 | **Unit 1****Factors and Powers** |
| **2** | **12.09.22** |
| **3** | **19.09.22** |
| **4** | **26.09.22** | **Algebraic manipulation****Equations****Substitution and formula** | * Simplifying expressions
* Factorise expressions
* Substitution
* Solving equations
 | **Unit 2****Working with powers** |
| **5** | **03.10.22** |
| **6** | **10.10.22** |
| **7** | **17.10.22** |
| **Half term** |
| **8** | **31.10.22** | **Measures and constructions****Area****Pythagoras** | * Plans and elevations
* Surface area of prisms and cylinders
* Pythagoras
 | **Unit 3****2D and 3D shapes** |
| **9** | **07.11.22** |
| **10** | **14.11.22** | **Proportional reasoning****Graphs** | * Direct proportion
* Distance time graphs
* Misleading graphs
 | **Unit 4****Real life graphs*****(not assessed)*** |
| **11** | **21.11.22** |
| **12** | **28.11.22** |
| **13** | **05.12.22** |  | Revision for End of Term assessmentEnd of Term assessment, RAP and aChristmas Activity | **EOT test Unit 1-4** |
| **14**  | **12.12.22** |
| **CHRISTMAS** |
| **15(Wed)**  | **04.01.23** | **Coordinates and transformations** | * Reflection and translation
* Rotation
* Enlargement
* STEM: Combining transformations
* 2D shapes and 3D solids
 | **Unit 5****Transformations** |
| **16** | **09.01.23** |
| **17** | **16.01.23** |
| **18** | **23.01.23** | **Place value and rounding****Percentages** | * Recurring decimals
* Using percentage
* Percentage change
 | **Unit 6****Fractions, decimals and percentages** |
| **19** | **30.01.23** |
| **20** | **06.02.23** |
| **Half term** |
| **21** | **20.02.23** | **Measures and****Constructions** | * Accurate drawings
* Bisecting lines and angles

Loci | **Unit 7****Construction and loci*****(not assessed)*** |
| **22** | **27.02.23** |
| **23** | **06.03.23** |
| **24** | **13.03.23** | **Probability** | * Mutually exclusive events
* Relative frequency/experimental probability
* Probability diagrams
 | **Unit 8****Probability** |
| **25** | **20.03.23** |
| **26**  | **27.03.23** | **End of Year Exam** | End of Year Exam Prep |  |
| **EASTER** |
| **27** | **17.04.23** |  | **EOYE Prep** |  |
| **28** | **24.04.23** |  | **EOYE** |  |
| **29 (BH)** | **02.05.23** |  | **EOYE RAP** |  |
| **30** | **08.05.23** | **Angles****Measures and construction****Proportional reasoning** | * Maps and scales
* Bearings
* Scales and ratio
* Congruent and similar shapes
 | **Unit 9****Scale Drawings and Measures** |
| **31** | **15.05.23** |
| **32** | **22.05.23** |
| **Half term** |
| **33** | **05.06.23** | **Graphs** | * Plotting linear graphs
* The gradient
* Y=mx+c
* Parallel and perpendicular lines
* Inverse functions
 | **Unit 10****Graphs** |
| **34** | **12.06.23** |
| **35** | **19.06.23** |
| **36** | **23.06.23** |
| **37** | **03.07.23** | **Summer Project** | Summer ProjectActivities Week |  |
| **38** | **10.07.23** |
| **39** | **17.07.23** |  | Activities week |  |  |

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| **Name:** | **Tutor:** | **Year 8 Mathematics Delta Assessment Progress Tracker 2022-23****Key Constructs:*** **Number**
* **Ratio and Proportion**
* **Algebra**
* **Geometry**
* **Statistics**
* **Probability**
 |
| **Subject Target** |  | **EOYE****Grade:** |
|  | **Flightpath** | **BFL** |
| **Autumn 1** |  |  |
| **Autumn 2** |  |  |
| **Spring 1** |  |  |
| **Spring 2** |  |  |
| **Summer 1** |  |  |
| **Summer 2** |  |  |

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| **Exam components** |
| **Date** | **Assessment** | **Flight-path****Grade** | **Action (s) to make progress** |
|  | **Unit 1****Factors and Powers** |  |  |
|  | **Unit 2 Unit****Working with powers** |  |  |
|  | **Unit 3****2D and 3D shapes** |  |  |
|  | **End of Term Assessment****Units 1-4** |  |  |
|  | **Unit 5****Transformations** |  |  |
|  | **Unit 6****Fractions, decimals and percentages** |  |  |
|  | **Unit 7****Constructions and Loci** |  |  |
|  | **Unit 8****Probability** |  |  |
|  | **EOYE** |  |  |
|  | **Unit 9****Scale Drawings and Measures** |  |  |
|  | **Unit 10****Graphs** |  |  |