**Year 7 Mathematics Theta Learning Journey 2022-2023**

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| **Week** | **Date** | **Key Constructs** | **Topic** | **Assessment** |
| **8** | **31.10.22** | **Sequences and functions****Algebraic manipulation****Substitution and formula** | * Functions
* Simplifying expressions
* Writing expressions
* STEM: Substituting into formulae
* Writing formulae
 | **Unit 3 - Expressions, functions and formulae** |
| **9** | **07.11.22** |
| **10** | **14.11.22** | **Types of number****Place value and rounding****Measures and construction****Place value and rounding** | * Decimals and rounding
* Length, mass and capacity
* Scales and coordinates
* Working with decimals
* Perimeter
* Area
* STEM: More units
 | **Unit 4 – Decimals and Measures (*not assessed*)** |
| **11** | **21.11.22** |
| **12** | **28.11.22** |
| **13** | **05.12.22** |  |  Revision for End of Term Assessment End of Term assessment, RAP and a  Christmas Activity | **EOT test Unit 1-4** |
| **14**  | **12.12.22** |
| **CHRISTMAS** |
| **15(Wed)**  | **04.01.23** | **Fractions****Percentages****Types of number** | * Comparing fractions
* Simplifying fractions
* Working with fractions
* Fractions and decimals
* Understanding percentages
* Percentages of amounts
 | **Unit 5 - Fractions** |
| **16** | **09.01.23** |
| **17** | **16.01.23** |
| **18** | **23.01.23** | **Probability** | * The language of probability
* Calculating probability
* More probability calculations
* Experimental probability
* FINANCE: Expected outcomes
 | **Unit 6 - Probability** |
| **19** | **30.01.23** |
| **20** | **06.02.23** |
| **Half term** |
| **21** | **20.02.23** | **Ratio****Proportional reasoning** | * Direct proportion
* Writing ratios
* Using ratios
* Scales and measures
* Proportions and fractions
* Proportions and percentages
 | **Unit 7 – Ratio and Proportion** **(*not assessed*)** |
| **22** | **27.02.23** |
| **23** | **06.03.23** |
| **24** | **13.03.23** |
| **25** | **20.03.23** |  | **EOYE Prep** |  |
| **26**  | **27.03.23** |  | **EOYE Prep** |  |
| **EASTER** |
| **27** | **17.04.23** |  | **EOYE** |  |
| **28** | **24.04.23** |  | **EOYE** |  |
| **29 (BH)** | **02.05.23** |  | **EOYE RAP/ addressing misconceptions** |  |
| **30** | **08.05.23** | **Angles and geometric reasoning****Measures and construction****Polygons and polyhedra** | * Lines, angles and triangles
* Estimating, measuring and drawing angles
* Drawing triangles accurately
* STEM: Calculating angles
* Angles in a triangle
* Quadrilaterals
 | **Unit 8 Lines and angles** |
| **31** | **15.05.23** |
| **32** | **22.05.23** |
| **Half term** |
| **33** | **05.06.23** | **Sequences and functions****Coordinates and transformations****Graphs** | * Sequences
* Pattern sequences
* Coordinates
* Extending sequences
* Straight-line graphs
* Position-to-term rules
 | **Unit 9 Sequences and graphs** |
| **34** | **12.06.23** |
| **35** | **19.06.23** |
| **36** | **23.06.23** | **Coordinates and transformations****Proportional reasoning** | * Congruency and enlargements
* Symmetry
* Reflection
* Rotation
* Translations and combined transformations
 | **Unit 10 - Transformations** |
| **37** | **03.07.23** |
| **38** | **10.07.23** |
| **39** | **17.07.23** |  | Activities week |  |  |

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| **Name:** | **Tutor:** | **Year 7 Mathematics Theta Assessment Progress Tracker 2022-23****Key Constructs:*** **Number**
* **Ratio and Proportion**
* **Algebra**
* **Geometry**
* **Statistics**
* **Probability**

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| **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 3****Equations,****functions and formulae** |  |  |
|  | **EOT test Unit 1-4** |  |  |
|  | **Unit 5 - Fractions** |  |  |
|  | **Unit 6 - Probability**  |  |  |
|  | **EOYE** |  |  |
|  | **Unit 8 Lines and angles** |  |  |
|  | **Unit 9 Sequences and graphs** |  |  |
|  | **Unit 10 - Transformations** |  |  |