**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** |
| **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** |  |  |