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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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 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** | **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 Project  Activities Week |  | |
| **38** | **10.07.23** |
| **39** | **17.07.23** |  | Activities week |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **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** |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **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** |  |  |