**Year 11 Mathematics Foundation Learning Journey 2022-2023**

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| **Week** | **Date** | **Key Constructs** | **Topic** | **Assessment** |
| **1(1/2)** | **05.09.22** | **Probability** | * Calculating probability
* Two events
* Experimental probability
* Venn diagrams
* Tree diagrams
 | **Unit 13 - Probability** |
| **2** | **12.09.22** |
| **3** | **19.09.22** |
| **4** | **26.09.22** | **Percentages****Proportional Reasoning****Measures** | * Percentages
* Growth and decay
* Compound measures
* Distance, speed and time
* Direct and inverse proportion
 | **Unit 14 - Multiplicative reasoning** |
| **5** | **03.10.22** |
| **6** | **10.10.22** | **Measures****Construction****Polyhedra****Angles** | * 3D solids
* Plans and elevations
* Accurate drawings
* Scale drawings and maps
* Constructions
* Loci and regions
* Bearings
 | **Unit 15 - Constructions, loci and bearings*****Assessment (Unit 11 - 15)*** |
| **7** | **17.10.22** |
| **Half term** |
| **8** | **31.10.22** |  | **Mock Prep** |  |
| **9** | **07.11.22** |  | **Mock Prep** |  |
| **10** | **14.11.22** |  | **Mocks** |  |
| **11** | **21.11.22** |  | **Mocks RAP/addressing misconceptions** |  |
| **12** | **28.11.22** | **Algebraic manipulation****Graphs****Equations** | * Expanding double brackets
* Plotting quadratic graphs
* Using quadratic graphs
* Factorising quadratic expressions
* Solving quadratic equations algebraically
 | **Unit 16 - Quadratic equations and graphs** |
| **13** | **05.12.22** |
| **14**  | **12.12.22** |  | **Mock results**  |  |
| **CHRISTMAS** |
| **15(Wed)**  | **04.01.23** | **Area****Perimeter****Volume****Pythagoras****Trigonometry** | * Circumference of a circle
* Area of a circle
* Semicircles and sectors
* Composite 2D shapes and cylinders
* Pyramids and cones
* Spheres and composite solids
 | **Unit 17 - Perimeter, area and volume 2****Fortnightly Past Papers Begin** |
| **16** | **09.01.23** |
| **17** | **16.01.23** |
| **18** | **23.01.23** | **Indices and standard form****Fractions** | * Multiplying and dividing fractions
* The laws of indices
* Writing large numbers in standard form
* Writing small numbers in standard form
* Calculating with standard form
 | **Unit 18 - Fractions, indices and standard form** |
| **19** | **30.01.23** |
| **20** | **06.02.23** |
| **Half term** |
| **21** | **20.02.23** | **Proportional reasoning****Area and Volume****Measures****Co-ordinates and transformations** | * Similarity and enlargement
* Using similarity
* Congruence
* Vectors
 | **Unit 19 - Congruence, similarity and vectors** |
| **22** | **27.02.23** |
| **23** | **06.03.23** |
| **24** | **13.03.23** | **Graphs** | * Graphs of cubic and reciprocal functions
* Non-linear graphs
* Solving simultaneous equations graphically
 | **Unit 20 - More algebra** |
| **25** | **20.03.23** |
| **26**  | **27.03.23** |
| **EASTER** |
| **27** | **17.04.23** |  | **GCSE Exam Prep** |  |
| **28** | **24.04.23** |
| **29 (BH)** | **02.05.23** |
| **30** | **08.05.23** |
| **31** | **15.05.23** |  | **Exams** |  |
| **32** | **22.05.23** |  | **Exams** |  |
| **Half term** |
| **33** | **05.06.23** |  | **Exams** |  |
| **34** | **12.06.23** |  | **Exams** |  |
| **35** | **19.06.23** |  | **Exams** |  |
| **36** | **23.06.23** |  |  |  |
| **37** | **03.07.23** |  |  |  |

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| **Name:** | **Tutor:** | **Year 11 Mathematics Foundation Assessment Progress Tracker 2022-23****Key Constructs:** |
| **Subject Target** |  | **Mock****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 13 - Probability** |  |  |
|  | **Unit 14 - Multiplicative reasoning** |  |  |
|  | **Unit 15 - Constructions, loci and bearings** |  |  |
|  | ***Assessment (Unit 11 - 15)*** |  |  |
|  | **Mock Exams** |  |  |
|  | **Unit 16 - Quadratic equations and graphs** |  |  |
|  | **Unit 17 - Perimeter, area and volume 2** |  |  |
|  | **Unit 18 - Fractions, indices and standard form** |  |  |
|  | **Unit 19 - Congruence, similarity and vectors** |  |  |
|  | **Unit 20 - More algebra** |  |  |