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|  | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| Foundation GCSE Year 10 | **1. Number topics.**  **2. Algebra topics.** | **3. Tables, charts and graphs.**  **4a. Fractions, decimals and percentages.** | **4b. Percentages.**  **5. Equations, inequalities and sequences.**  - Prior knowledge  *2. Algebra topics*  **6a. Shapes and angles.**  - Prior knowledge  *1. Number topics.*  *5. Equations, inequalities and sequences.* | **6b. Interior and exterior angles.**  - Prior knowledge  *1. Number topics.*  *5. Equations, inequalities and sequences.*  **7. Statistics, sampling and averages.**  - Prior knowledge  *3. Tables, charts and graphs.*  *4a. Fractions, decimals and percentages.*  **8. Area, perimeter and volume.**  - Prior knowledge  *1. Number topics.*  *2. Algebra topics.*  *5. Equations, inequalities and sequences.* | **9. Graphs.**  - Prior knowledge.  *2. Algebra topics.*  *3. Tables, charts and graphs.*  **10. Transformations.**  - Prior knowledge  *1. Number topics* | **11. Ratio and proportion.**  - Prior knowledge  *1. Number topics.*  **12. Pythagoras and trigonometry.**  - Prior knowledge  *2. Algebra topics.*  *6a, 6b. Shapes and angles.* |

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|  | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| Foundation GCSE Year 11 | **13. Probability**  - Prior knowledge  *4a, 4b. Fractions decimals and percentages.*  **14. Percentages and compound measures.**  - Prior knowledge  *4a, 4b. Fractions decimals and percentages.*  5. Equations, inequalities and sequences.  9. Graphs. | **15a. Plans and elevations.**  -Prior knowledge  *6a. Shapes and angles.*  *6b. Interior and exterior angles.*  **15b. Constructions, loci and bearings.**  -Prior knowledge  *6a. Shapes and angles.*  *6b. Interior and exterior angles.*  **16. Quadratic equations.**  -Prior knowledge  *2. Algebra topics.*  *5. Equations, inequalities and sequences.*  *9. Graphs.* | **17. Circles, cylinders, cones and spheres.**  -Prior knowledge  *1. Number topics.*  *2. Algebra topics.*  *4a, 4b. Fractions, decimals and percentages.*  *5. Equations, inequalities and sequences.*  *8. Area, perimeter and volume.*  **18. Indices and standard form.**  -Prior knowledge  *1. Number topics.*  *2. Algebra topics.* | **19. Similarity, congruence and vectors.**  -Prior knowledge  *5. Equations, inequalities and sequences.*  *6a. Shapes and angles.*  *10. Transformations*.  **20. Rearranging equations and simultaneous equations.**  -Prior knowledge  *2. Algebra topics.*  *5. Equations.*  *9. Graphs.*  *11. Ratio and proportion.*  *16. Quadratic equations.* | **Revision and exam preparation.** |  |

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|  | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| Higher GCSE  Year 10 | **1. Number topics.**  **2. Algebra topics.**  - Prior knowledge  *1. Number topics.* | **3. Averages, range and representing data with graphs.**  - Prior knowledge  *2. Algebra topics.*  **4. Fractions, ratio and percentages.**  - Prior knowledge  *1. Number topics.* | **5. Pythagoras, angles and trigonometry.**  - Prior knowledge  *1. Number topics.*  *2. Algebra topics.*  *4. Fractions, ratio and percentages.*  **6a. Real life graphs.**  - Prior knowledge  *2. Algebra topics.*  *3. Ave*rages, range and representing data with graphs.  *4. Fractions, ratio and percentages.* | **6b, 6c. Graphs.**  - Prior knowledge  *2. Algebra topics.*  *3. Ave*rages, range and representing data with graphs  *4. Fractions, ratio and percentages.*  *5. Pythagoras, angles and trigonometry.*  **7. Area, perimeter and volume, circles, cylinders, cones and spheres.**  - Prior knowledge  *1. Number topics.*  *2. Algebra topics.*  *5. Pythagoras, angles and trigonometry.* | **7b. Accuracy and bounds.**  - Prior knowledge  *1. Number topics.*  **8. Transformations, constructions, loci and bearings.**  - Prior knowledge  *5. Pythagoras, angles and trigonometry.* | **9. Quadratic equations, simultaneous equations and inequalities.**  - Prior knowledge  *1. Number topics.*  *2. Algebra topics.*  *6b, 6c. Graphs.*  **10. Probability.**  - Prior knowledge  *1. Number topics.* |

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|  | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| Higher GCSE  Year 11 | **11. Multiplicative reasoning.**  - Prior knowledge  *2. Algebra topics.*  *4. Fractions, ratio and percentages.*  *6b, 6c. Graphs.*  *7. Area, perimeter and volume, circles, cylinders, cones and spheres.*  **12. Similarity in 2D and 3D.**  - Prior knowledge  *5. Pythagoras, angles and trigonometry.*  *7. Area, perimeter and volume, circles, cylinders, cones and spheres.*  *8. Transformations, constructions, loci and bearings.*  **13. Trigonometric graphs and further trigonometry.**  - Prior knowledge  *2. Algebra topics.*  *7. Area, perimeter and volume, circles, cylinders, cones and spheres.*  *9. Quadratic equations, simultaneous equations and inequalities.* | **14. Data topics.**  - Prior knowledge  *2. Algebra topics.*  *3. Averages, range and representing data with graphs.*  **15. Further algebra topics.**  - Prior knowledge  *1. Number topics.*  *2. Algebra topics.*  *6b, 6c. Graphs.*  *9. Quadratic equations, simultaneous equations and inequalities.* | **16. Circle Geometry.**  - Prior knowledge  *6a. Real life graphs.*  *7. Area, perimeter and volume, circles, cylinders, cones and spheres.*  **17. Algebraic fractions, Surds and proof.**  - Prior knowledge  *1. Number topics.*  *2. Algebra topics.*  *9. Quadratic equations, simultaneous equations and inequalities.* | **18. Vectors.**  - Prior knowledge  *4. Fractions, ratio and percentages.*  *5. Pythagoras, angles and trigonometry.*  *8. Transformations, constructions, loci and bearings.*  *17. Algebraic fractions, Surds and proof.*  **19a. Graphs, direct and inverse proportion.**  - Prior knowledge  *1. Number topics.*  *6b, 6c. Graphs.*  *7. Area, perimeter and volume, circles, cylinders, cones and spheres.*  *13. Trigonometric graphs and further trigonometry.*  *17. Algebraic fractions, Surds and proof.* | **Revision and exam preparation.** |  |

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|  | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| One year Foundation GCSE  \* | **1-4. Preparation across all curriculum areas.**  *KS3 Number, Algebra, shape and data topics.*  **5. Percentages.**  - Prior knowledge  *KS3 Fractions, decimals and percentages.*  **6. Indices and roots.**  - Prior knowledge  *KS3 Number topics.*  **7. Algebra.**  - Prior knowledge  *KS3 Algebra.*  **8. Straight-line graphs.**  - Prior knowledge  *7. Algebra.*  **9. Angle facts.**  - Prior knowledge  *7. Algebra.*  **10. Accuracy.**  - Prior knowledge  *KS3 Number topics.*  **11. Circles.**  - Prior knowledge  *6. Indices and roots.*  *7. Algebra.*  **12. Equations and inequalities.**  - Prior knowledge  *6. Indices and roots.*  *7. Algebra.* | **13. Probability.**  - Prior knowledge  *KS3 Fractions, decimals and percentages.*  **14. Sequences.**  - Prior knowledge  *KS3 Number topics.*  *7. Algebra.*  **15. Constructions.**  - Prior knowledge  *KS3 shape topics.*  *9. Angle facts.*  **16. Quadratics.**  - Prior knowledge  *7. Algebra.*  *12. Equations and inequalities.*  **17. Quadratic**  **graphs.**  - Prior knowledge  *7. Algebra.*  *8. Straight-line graphs.*  *12. Equations and inequalities.*  **18. Ratio and compound measures.**  - Prior knowledge  *KS3 number topics.*  *7. Algebra.*  **19. Proportion.**  - Prior knowledge  *18. Ratio and compound measures.* | **20. Simultaneous Equations.**  -Prior knowledge  *7. Algebra.*  *12. Equations and inequalities.*  *8. Straight-line graphs.*  *16. Quadratics.*  **21. Pythagoras’ Theorem.**  -Prior knowledge  *7. Algebra.*  *9. Angle facts.*  **22. Statistical graphs and measures.**  -Prior knowledge  *KS3 Fractions, decimals and percentages.*  *7. Algebra.*  *8. Straight-line graphs.*  **23. Transformations.**  - Prior knowledge  *KS3 Shape topics.*  *8. Straight-line graphs.*  *9. Angle facts.*  **24. Scatter graphs.**  - Prior knowledge  *KS3. Data topics.*  *8. Straight-line graphs.*  **25. Sampling.**  - Prior knowledge  *KS3. Data topics.*  **26. Probability of combined events.**  - Prior knowledge  *13. Probability.* | **27. Volume and surface area.**  - Prior knowledge  *6. Indices and roots.*  *7. Algebra.*  *11. Circles.*  **28. Trigonometry.**  - Prior knowledge  *7. Algebra.*  *9. Angle facts.*  *21 Pythagoras’ Theorem.*  **29. Further graphs.**  - Prior knowledge  *7. Algebra.*  *8. Straight-line graphs.*  *12. Equations and inequalities.*  *17. Quadratic graphs.*  **30. Mathematical arguments.**  - Prior knowledge  *7. Algebra.*  *9. Angle facts.* | **Revision and exam preparation.** |  |

**\* The one year GCSE is only suitable for students that are resitting their GCSE or year 11 students that start at Ancora School following a significant period of absence from school.**

**Assessment: In all year groups there are in-class termly assessments consisting of past exam questions on topics studied. Students are also informally assessed using their written class work/homework and verbal comments during lessons.**

Exam Board: Edexcel