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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 GCSEYear 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 GCSEYear 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