



# Long Term Plan

IGCSE Mathematics



2020-2022	Autumn 1 7 weeks	Autumn 2 7 weeks	Spring 1 7 weeks	Spring 2 7 weeks	Summer 7 weeks
Year 10	1. Fractions, decimals and rounding 2. Ratios and percentages 3. Powers and roots 4. Working with algebra	5. Algebraic equations 6. Graphs of straight lines 7. Simultaneous equations 8. Inequalities	9. Sequences and Series 10. Travel graphs 11. Working with shapes and space 12. Circles, cylinders, cones and spheres	13. Transformations and similarity 14. Pythagoras' Theorem 15. Introduction to trigonometry 16. Sets	17. Revision and preparation for end of year exams
Year 11	18. Direct and Inverse proportion 19. Quadratic equations, curves and inequalities 20. Graphs and transformation	21. Advanced algebra 22. Functions and function notation 23. Further Trigonometry	24. Circle Theorems 25. Working with data 26. Probability	27. Vectors 28. Calculus	29. Study leave and revision for final exams