Overview Document 2026/27	Curriculum Area: Mathematics	Year Group: 11 (Foundation)
	Personnel Responsible: Mr. J. Parpagga (Curriculum Director)	Quality Assured by: Mrs L Francome (Assistant Headteacher)

Assessment Cycle	Topic/Unit Title – *Big Question*	Content Coverage	Skill development and links to other areas of this subject's curriculum
1	What Essential Knowledge Can You Recall?	• Ratio including sharing. • Calculating percentages of amounts with and without a calculator. • Solving percentages problems, including increase/decrease and percentage change. • Direct Proportion: Recipes; Best Buys; Scale Drawings. • Use Compound Measure: speed, distance, time. • Finding the HCF and LCM by both listing and using prime factors. • Error intervals, bounds and calculations with appropriate degrees of accuracy. • Using the laws of indices to multiply, divide and simplify experessions. • Convert between standard form and ordinary form; Four operations with standard form.	Students will continue to develop their understanding of transformations, as started in year 10, and then build on their knowledge based on topics in algebra. Students will need to recall essential knowledge from year 8 and apply this to topics being taught in this cycle which will help them prepare for their first mock series in November.
2	How Can Data Be Represented?	• Inequalities: number lines and solving • Form and solve linear equations. • Quadratics: Expand; factorise; solve • Non-Linear Graphs – Draw: cubic, reciprocal and exponential graphs. • Calculate interior and exterior angles in polygons. • Identify angles on parallel lines. • Find and calculate bearings. • Perimeter and area of circles and sectors.	Students will focus on topics that are number and data heavy, and reflect on topics that have been taught in both year 7 and year 9. Students will build on their subject knowledge from previous years and apply it to more GCSE style questions as they prepare for their second round of mocks at the end of the Cycle.
3	What Are the Gaps in Your Knowledge?	• Surface area of cubes, cuboids, prisms, cylinders, cones, spheres and pyramids. • Volume of cubes, cuboids, other prisms, composite solids, cylinders, spheres, cones and pyramids. • Calculate averages and range. • Perform and describe: translations; rotations; reflections; enlargements. • Vectors, including operations with vectors and representing them on diagrams. • Plans And Elevations	Students will explore topics that have been previously taught in year 9 or 10, and cover new topics such as frequency trees and vectors to best prepare them for the upcoming GCSE exams. Students will also focus on filling in gaps in their knowledge throughout this cycle, identified through question-level analysis of mock exams and other

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		• Interpret and draw frequency trees. • Identifying similar and congruent shapes. • Exam practice and revision.	practice papers. Key topics will be revisited and misconceptions addressed where needed.