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| GCSE Maths Long Term Plan  |

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| ‘Rolling’ over 2 yrs | AUTUMN 1 | AUTUMN 2  | Assessment  | SPRING 3 | SPRING 4 | Assessment | SUMMER 5 | SUMMER 6  | Assessment  |
| YEAR 1 | Number TheoryPlace valueBasic operationsWith number +/-/x/÷Multiples, factors, primes, LCM, HCF, prime factorsFDP with basic operators | Number theory Extended to probability, ratio, and proportion.Shape, Space, Measure2D shape and angle geometry. Pythagoras’ Theorem. | EL1,2,3 paper/GCSE paper. | Shape, Space, MeasureCircle terminology and formulae.Metric units3D shape, nets, plans, elevations and surface area, volume.2D Coordinate geometry. | AlgebraLike terms, rule of signs, Substitution and formulae.Variables, terms, expressions, formulae and solving equations with inverse operations.Algebra and the laws of indices. | EL1,2,3 paper/GCSE paper. | Shape, Space, and MeasureRegular, irregular polygons, angle theory.The 4 transformations.Straight line graphs – y=mx+c.Compound measures. | Data HandlingTypes of data. Populations and random sampling.Collecting/representing data. 2-way tables.Analysing data through, mode, median, mean and range. | EL1,2,3 paper/GCSE paper. |
| Revisit | Autumn 1&2 (Yr. 2) |  | Spring 3&4 (Yr. 2) |  | Spring 3 (Yr. 2) | Spring 4 (Yr. 2) |  |
| YEAR 2 | Number TheoryPlace value with indices. Further Laws of Indices.Products of primes and LCM HCF. Fractions (F), Decimals (D)Percentages FDP, wEstimation | Number theoryExtended to probability, ratio, and proportion.Shape, Space, MeasurePythagoras’ Theorem & Trigonometry3 D volume and surface area. | EL1,2,3 paper/GCSE paper. | Shape, Space, MeasureRules of circle geometryMetric units, time-distance graphs, and rate of change.Standard form.Expanding & Factorising More complex linear equations.Solving quadratics graphically. | AlgebraVariables, terms, expressions, formulae and solving equations with inverse operations, general method.Re-arranging formulae, Substitution and solving,Solving in x2 quadratics,Plotting/interpreting quadratics. | EL1,2,3 paper/GCSE paper. | Exam Revision Revision and past papers practise, individualised examination revision.EdexcelNon calculator maths paper 1 | Exam Revision and Practise Revision and past papers practise, individualised examination revision.EdexcelCalculator maths papers, 1 and 2 | GCSE Exams |
| Revisit |  Summer 5 |  |  Summer 5 |  |  |  |  |