

St James Maths 5 Year Curriculum Map

	Cycle 1	Cycle 2	Cycle 3
Year 7	Onboarding (1 week) Number - Fractions and Decimals (2 weeks) Geometry - area and perimeter (1 week) Probability - experimental and theoretical (1 week) Number - rounding, written methods, order of ops (1 week) Algebra - expressions and equations (2 weeks) Ratio and Proportion - timetables and conversions (1 week)	Number - decimals and fractions (2 weeks) Geometry - angles and constructions (1 week) Statistics - averages and statistical diagrams (1 week) number - HCF, LCM, Prime factors, mixed numbers (1 week) Algebra - expressions and forming and solving equations (2 weeks) Algebra - function notation, straight line graphs (1 week) Geometry - surface area and volume (1 week)	Number - fractions, decimals, recurring decimals (2 weeks) Ratio and proportion - writing and simplifying ratio (1 week) Probability - Venn and probabilities (1 week) Geometry - Constructions and angles in polygons (1 week) Algebra - sequences (1 week) Statistics - questionnaires and statistical diagrams (1 week) Geometry - transformations (2 weeks)
Year 8	Number - Negative numbers and index laws (2 weeks) Ratio and Proportion - converting units of area and volume Geometry - volumes, intro to pythagoras (1/2 week) Introduction to algebra - algebraic fractions (2 weeks) Statistics - frequency tables, advanced statistical diagrams	Number - fractions and decimals (2 weeks) Probability - sample spaces and tree diagrams (2 weeks) Algebra - simultaneous equations (2 weeks) Geometry - interior and exterior angles (2 weeks)	Number - standard form (1 week) Ratio and Proportion - percentages and direct and inverse proportion Geometry - circles and cylinders (2 weeks) Ratio and Proportion - timetables and financial calculations (2 lessons) Algebra - distance time graphs Geometry - transformation (6 lessons) Ratio and proportion - scale drawing plans and elevations (1 week)
Year 9	Unit 1 Rounding, Estimation and operations (2 weeks) Unit 2: Roots Indices and Standard Form (3 weeks) Unit 3: Algebraic Expressions (3 weeks) Unit 4: 2D and 3D shapes (2 weeks)	Unit 5: Fractions (2 weeks) Unit 6: Decimals and Percentages (2 weeks) Unit 7: Theoretical and Experiemental Probability (2 weeks) Unit 8: Sequences (2 weeks) Unit 9: Straight line graphs (2 weeks)	Unit 10: Angles and Shape properties (1 week) Unit 11: Construction and loci (2 weeks) Unit 12: Collecting and Representing data (3 weeks) Unit 13: Indices, Surds and Prime factors (3 weeks) Unit 14: Right Angled Triangles (1 week)
Year 10	Unit 14: Right angled tirangles (2 weeks) Unit 15: Equations, Inequalities and Formula (3 weeks) Unit 16: Ratio, Proportion and Scale drawing (3 weeks) Unit 17: Venn and Tree diagrams (2 weeks)	Unit 18: Measures and real life graphs (3 weeks) Unit 19: Vectors, transformations and congruence (3 weeks) Unit 20: Quadratic and Simultaneous equations (4 weeks)	Unit 21: Circles, cylinders cones and spheres (2 weeks) Unit 22: Avereages and Statistical diagrams (3 weeks) Unit 23: Advanced Trigonometry (3 weeks) Unit 24: Circle geometry (2 weeks)
Year 11	Unit 25: Proportion (1 weeks) Unit 26: Growth and decay (2 weeks) Unit 27: Non linear graphs (4 weeks)	Revision and recap	Revision recap and GCSE