ST JAMES'
CATHOLIC HIGH SCHOOL

HT1:	HT2:	Assessment Point: Summative or AFL	HT3:	HT4:	Assessment Point: Summative or AFL	HT5	HT6:	EOY Assessment Point
Unit 1 – Number **Decimals and fractions** **Index notation** **Exact calculations** **Unit 2 – Algebra** **Changing the subject of a formula** **Formulate algebraic expressions** **Substitute numerical values into formulae and expressions** **Use kinematics formulae** **Introduction to proof (expanding and factorise)**	**Unit 3 – Algebra 2** **Multiplying out brackets** **Factorising** **Linear equations in one unknown** **Completing the square** **Quadratic formula** **Quadratic equations** **Linear simultaneous equations** **Unit 4 – Shape** **Circles** **Arcs and sectors** **Area calculations** **Pyramids, cones and spheres** **INTERLEAVING WEEK AND CAREERS IN MATHS** **(Revisit Units 1, 2 and 3 from Gap analysis)**	*HT1 & HT2* HT 1 Assessment – testing knowledge of skills taught in Units 1 and 2 HT 2 Assessment – testing knowledge of skills taught in Units 3 and 4 AND interleaving of topics in units 1 and 2	**Unit 5 – Probability** **Enumeration** **Venn diagrams and set notation** **Tree diagrams** **Probability** **Populations and sampling** **(CST Common good)** **Unit 6 – Algebra 3** **Straight line graphs** **Parallel and perpendicular lines** **Gradients** **Graphs of equations and functions** **Polynomial and exponential functions**	**Unit 7 – Number** **Percentage change** **Growth and Decay** **Upper and lower bounds** **Unit 8 – Number** **Direct Proportion** **Inverse proportion** **(CST Care/ P&V)** **INTERLEAVING WEEK AND CAREERS IN MATHS** **(Revisit Units 1-8 from Gap analysis)**	**HT3 and HT4 (with elements of HT1 and HT2)** HT 3 Assessment – testing knowledge of skills taught in Units 5 and 6 HT 4 Assessment – GCSE Paper	**Unit 9 – Construction** **Ruler and compass constructions** **Loci** **Unit 10 – Mensuration** **Units of measurement** **Compound units** **Unit 11 – Congruency and Similarity** **Congruent triangles** **Similar triangles** **Enlargement** **Similar shapes**	**Unit 12 – Triangle mensuration** **Pythagoras' Theorem (and 3D)** **Trigonometry in right angled triangles** **Exact trigonometric ratios** **Sine and Cosine rule** **Area of a triangle** **CST Solidarity** **Unit 13 – Data** **Grouped data** **Summary statistics** **Bivariate data** **(CST Peace/P&V)** **INTERLEAVING WEEK AND CAREERS IN MATHS** **(Revisit Units 1-11 from Gap analysis)**	**HT1 – HT6** HT 5 Assessment – testing knowledge of skills taught in Units 10 and 11 HT 6 Assessment – GCSE papers **Number** **Algebra** Geometry and Measures **Ratio and Proportion** Handling Data

With God all things are possible Matthew 19:26