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| Programme of StudySubject: MathsYear 9C: |
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|  |  **Autumn 1** |
| **Unit 1: Number: Number problems and reasoning, HCF and LCM****Unit 3: Interpreting and representing data: Statistical diagrams 1, Time series, Scatter graphs, Line of best fit, Averages and range, Statistical diagrams** |  |
|  |  **Autumn 2** |
|  **Unit 4: Fractions, ratio and percentages: Fractions, Ratios, Ratio and proportions, Percentages, Fractions, decimals and percentages** |  |
|  |  **Spring 1** |
| **Unit 1: Number: Place value and estimating, Calculating with powers, Zero, negative and fractional indices, Powers of 10 and standard form, Surds****Unit 2: Algebra: Algebraic Indices, Expanding and Factorising, Equations, Formulae, Linear Sequences, Non-linear sequences, More expanding and factorizing** |  |
|  |  **Spring 2** |
| **Unit 5: Angles and Trigonometry: Angle properties of triangles and quadrilaterals, Interior angles of a polygon, Exterior angles of a polygon, Pythagoras’ Theorem, Trigonometry** |  |
|  |  **Summer 1** |
| **Unit 6: Graphs: Linear Graphs, Graphing rates of change, Real-life graphs, Line segments, Quadratic Graphs, Cubic and reciprocal graphs****Unit 7: Area and Volume: Perimeter and Area, Units of accuracy , Prisms, Circles, Sectors of circles, Cylinders and spheres, Pyramids and cones** |  |
|  |  **Summer 2** |
|  **Unit 8: Transformations and constructions: 3D solids, Reflections and rotation, Enlargement, Translations and combinations of different transformations, Scale drawings and bearings, Constructions , Loci** |  |