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| **Subject Title** | Mathematics | | | | | |
| **Course Code** | 9MA0 | **Exam board** | Edexcel | **Qualification**  (GCSE, A-Level, etc.) | | A-Level |
| **Units covered satisfactorily** | **PURE content** | | **Units NOT covered satisfactorily** | | Statistics and Mechanics | |
| **Your final grade will be informed through an assessment of evidence from:**  *Final Examination – 33%*  HT2 Christmas mocks: PURE paper (100 marks), - 33% APPLIED AS paper (60 marks) - 10%  HT3 online assessment on Dr Frost, PURE exam paper 100 marks) - 33%  Recorded homework on Dr Frost - 40%  Pearsons unit tests from year 12 - 20%  In class quiz:  Quiz 1: Integration by inspection (8 marks) - 5%  Quiz 2: integration by parts (8 marks) - 5%  Quiz 3: integration by substitution (8 marks) - 5%  Quiz 4: integration with partial fractions (8 marks) - 5%  All quizzes total percentage – 20% | | | | | | |
| **Primary source (details of the exam / portfolio etc)** | | | | | | |
| *Examination – 2 hours*  *As the pure content and some parts of Statistics was covered, I have decided that the paper will cover Pure content and a limited content on Statistics. No mechanics will be covered in the examination.*  Two-hour calculator paper, total of 100 marks. The details of units covered is outlined below.  **PURE content covered:**   * Quadratics: solving quadratic equations, completing the square, the discriminant, modelling with quadratics * Circles: Mid points and bisectors, equation of a circle, using tangent and cord properties, circles and triangles * Exponentials and logarithms * Algebraic methods: algebraic fractions, partial fractions, algebraic division * Sequences and series: arithmetic/geometric sequences and series, sum to infinity, sigma notation and modelling with series * Binomial expansion (year 2) * Radians, arc length, area of a sector/segment, solving trigonometric equations and small angle approximation, addition formulae, double angle formulae * Differentiation: trig functions, logs and exponentials, chain, product and quotient rules, using second derivative and rates of change * Integration: Integrating standard functions, using trig identities, integration by substitution and parts and finding areas   **Statistics content:**   * Regression, correlation and hypothesis testing for zero correlation * Conditional probability | | | | | | |
| **Secondary source (details of data from assessments and tests)** | | | | | | |
| Half termly assessments:   * HT2 Christmas mocks: PURE paper (100 marks), APPLIED AS paper (60 marks) * HT3 online assessment on Dr Frost, PURE exam paper 100 marks) | | | | | | |
| **Other relevant sources (any other assessments which may be relevant to the final grade)** | | | | | | |
| * Recorded homework on Dr Frost. * Pearsons unit tests from year 12.   In class quiz:   * Quiz 1: Integration by inspection (8 marks) * Quiz 2: integration by parts (8 marks) * Quiz 3: integration by substitution (8 marks) * Quiz 4: integration with partial fractions (8 marks) | | | | | | |