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| Topic | Pure/Mechanics Topic | Suggested Worksheets | Pure/Stats Topics | Suggested Worksheets |
| 1 | AS Surds and Indices | * Surds * Indices | AS Equations and Inequalities | * Inequalities * Graphing inequalities * Stealth Quadratics * Simultaneous Equations |
| 2 | AS Coordinate Geometry | * Circles * Straight lines | AS Quadratic Functions | * Completing the square * The discriminant |
| 3 | AS Kinematics | * Kinematics with constant acceleration (SUVAT) * Kinematics (Velocity and Displacement Time Graphs) | AS Collecting and Interpreting Data | * Sampling and Data Collection * Statistical diagrams and measures * Averages and spread |
| 4 | AS Proof | * Proof | AS Polynomials | * Polynomial division and the factor theorem |
| 5 | AS&A2 Vectors | * Vectors * Constant acceleration in two dimensions | AS Graphs and Transformations | * Transformations of functions |
| 6 | AS&A2 Forces | * Forces in two dimensions * Connected particles and Newton’s third law * Forces and motion in 3D * Resolving non-perpendicular forces at a point * Statics and Dynamics in 2D without friction | AS Probability | * Intro to probability * Discrete Random Variables |
| 7 | AS Differentiation | * Differentiation from first principles * Stationary Points * Tangents and Normals to curves * Practical applications of differentiation | AS Binomial Expansion | * Binomial expansion |
| 8 | AS Integration | * Definite and indefinite integrals * Finding the equation of a curve given the differential * Area between a curve and the x-axis * Integration (mixed) * Mixed Calculus | AS Binomial Distribution | * Binomial distribution |
| 9 | AS Variable Acceleration | * Kinematics with variable acceleration | AS Trigonometry | * Sine and Cosine rules and Area of a triangle * Introduction to trigonometric equations * Trigonometric equations and identities |
| 10 | AS Exponentials and Logs | * Laws of logarithms and logarithmic equations * Solving exponential equations * Modelling with exponentials | AS Hypothesis Testing | * Binomial Hypothesis testing |
| 11 | A2 A model for friction | * Statics and dynamics in 2D with friction | A2 Proof | * Proof by contradiction |
| 12 | A2 Sequences and Series | * Arithmetic series * Geometric sequences * Mixed Sequences * Applied sequences and series | A2 Trigonometry | * Radians, circle sectors and triangles * Small angle approximations |
|  | A2 Differentiation | * Differentiation (Chain, product and quotient rules) introductory **Note you cannot do non-polynomial differentiation yet** * Connected rates of change | A2 Algebra | * Partial fractions * Rational Functions and polynomial division * Binomial expansion (year 2) |