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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
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| 10 | AS Exponentials and Logs | * Laws of logarithms and logarithmic equations
* Solving exponential equations
* Modelling with exponentials
 | AS Hypothesis Testing | * Binomial Hypothesis testing
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| 11 | A2 A model for friction | * Statics and dynamics in 2D with friction
 | A2 Proof | * Proof by contradiction
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| 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)
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