

MATHEMATICS

Year 12 Curriculum road map

AUTUMN TERM

PURE

1. ALGEBRAIC EXPRESSIONS, 2. QUADRATICS, 3. EQUATIONS & INEQUALITIES, 4. GRAPHS & TRANSFORMATIONS, 5. STRAIGHT LINE GRAPHS, 6. CIRCLES, 9. TRIGONOMETRIC RATIOS

HT1

AUTUMN TERM

PURE

7. ALGEBRAIC METHODS, 8. THE BINOMIAL EXPANSION, 10. TRIGONOMETRIC IDENTITIES & EQUATIONS, 11. VECTORS

HT2

SPRING TERM

STATISTICS

1. DATA COLLECTION, 2. MEASURES OF LOCATION & SPREAD, 3. REPRESENTATIONS OF DATA, 4. CORRELATION

HT3

SPRING TERM

PURE

12. DIFFERENTIATION, 13. INTEGRATION, 14. EXPONENTIALS & LOGARITHMS

HT4

SUMMER TERM

STATISTICS & MECHANICS

5. PROBABILITY, 6. STATISTICAL DISTRIBUTIONS, 7. HYPOTHESIS TESTING, 8. MODELLING MECHANICS 9. CONSTANT ACCELERATION

HT5

SUMMER TERM

MECHANICS

9. CONSTANT ACCELERATION 10. FORCES & MOTION, 11. VARIABLE ACCELERATION

HT6