

Programme of Study

Year 12

AUTUMN 1st HALF TERM

Pure (P1)	
Teacher 1 (4 Lessons per week)	Teacher 2 (2 Lessons per week)
1. Algebraic expressions	2. Quadratics
3. Equations and inequalities	5. Straight line graphs
4. Graphs and transformations	6. Circles
7. Algebraic methods	
8. The binomial expansion	

AUTUMN 2nd HALF TERM

Pure (P1)	Statistics (SM1)
Teacher 1 (4 Lessons per week)	Teacher 2 (2 Lessons per week)
9. Trigonometric ratios	1. Data collection (large data set)
10. Trigonometric identities	2. Measures of location & spread
12. Differentiation	3. Representation of data
13. Integration	4. Correlation

SPRING 1st HALF TERM

Pure (P1)	Statistics (SM1)
Teacher 1 (4 Lessons per week)	Teacher 2 (2 Lessons per week)
14. Exponentials & logarithms	5. Probability
11. Vectors	6. Statistical distributions
	7. Hypothesis testing

SPRING 2nd HALF TERM

Mechanics (SM1)	
Teacher 1 (4 Lessons per week)	Teacher 2 (2 Lessons per week)
8. Modelling in mechanics	10. Forces and motion
9. Constant acceleration	
11. Variable acceleration	

SUMMER 1st HALF TERM

Pure (P1) & Applied (SM1)	
Teacher 1 (4 Lessons per week)	Teacher 2 (2 Lessons per week)
P1 Re-teach & Revision	SM1 Re-teach & Revision

SUMMER 2nd HALF TERM

Pure (P2)	
Teacher 1 (4 Lessons per week)	Teacher 2 (2 Lessons per week)
2. Functions and graphs	1. Algebraic methods
3. Sequences and series	4. Binomial expansion

Year 13

AUTUMN 1st HALF TERM

Pure (P2)	
Teacher 1 (4 Lessons per week)	Teacher 2 (2 Lessons per week)
2. Quick recap	1. Quick recap
3. Quick recap	4. Quick recap
6. Trigonometric functions	5. Radians
7. Trigonometry and modelling	8. Parametric equations

AUTUMN 2nd HALF TERM

Pure (P2)	Statistics (SM2)
Teacher 1 (4 Lessons per week)	Teacher 2 (2 Lessons per week)
9. Differentiation	1. Regression, correlation and hypothesis testing
11. Integration	2. Conditional probability

SPRING 1st HALF TERM

Pure (P2)	Statistics (SM2)
Teacher 1 (4 Lessons per week)	Teacher 2 (2 Lessons per week)
10. Numerical methods	3. The normal distribution
12. Vectors	

SPRING 2nd HALF TERM

Statistics (SM2)	
Teacher 1 (4 Lessons per week)	Teacher 2 (2 Lessons per week)
5. Forces and friction	4. Moments
6. Projectiles	7. Application of forces
8. Further kinematics	

SUMMER 1st HALF TERM

Pure (P1 & P2) & Applied (SM1 & SM2)	
Teacher 1 (4 Lessons per week)	Teacher 2 (2 Lessons per week)
P1 and P2 Revision	SM1 and SM2 Revision