

Term	Date	Focus	Summary	Learning Outcomes	
Term 2	02/01/23	Statistics	Bernoulli and Binomial Distribution	To explore the Bernoulli & Binomial distributions, conditions for their applications of the distribution and how to use the tables.	
	09/01/23	Sequences and Series	Sequences & Arithmetic Series	To explore recurrence relations and Arithmetic series – summation of series etc	
	16/01/23		Geometric series	To explore geometric series sum of series, sum to infinity, convergence	
	23/01/23	Coordinate Geometry and Circle	Equation of circles	To explore Coordinate Geometry of the Circle, equation of a circle centre (a, b) radius r	
	30/01/23	Motion in a straight line	Acceleration	To explore motion in a straight line with constant acceleration – horizontal motion, SUVAT equations. Explore variable acceleration.	
	06/02/23	Trigonometry	GCSE Revision	To recap GCSE knowledge, to explore trig ratios and the sine/cosine rules and the area of triangles.	
	13/02/23	School Break Half Term February			
	20/02/23	Trigonometry	Solving equations	To explore Angle units, length of an arc and area of a sector.	
	27/02/23		Solving equations using identities	To explore Trigonometric functions and solving trigonometric equations. Trigonometry Identities.	
	06/03/23	Mechanics	Forces and Newtons Laws	To explore force diagrams, resultant force, mass and weight	
	13/03/23		Momentum and Impulse	To explore connected particles, diagrams, separating particles for solution, friction as a resisting force only.	
	20/03/23	Exponentials and Logarithms	Exponentials and Logarithms	To explore Laws of logarithms and equations containing logs or x as a power	