

Term	Date	Focus	Summary	Learning Outcomes	
Term 2	02/01/23	Integration	Further Integration techniques	Explore partial fractions, odd and even powers of trigonometric functions and volumes of revolution	
	09/01/23	Statistics	The Exponential Distribution	Explore the Exponential distribution.	
	16/01/23	Differential equations	1st order differential equations	Explore forming and solving 1st order differential equations with separable variables	
	23/01/23	Numerical Methods	Estimating using non-calculus methods	Explore change of sign to find root in an interval, Iteration formula and its use to find roots of equations approximate values, estimating areas under curves using mid-ordinate and Simpson's rule.	
	30/01/23	Statistics	The Normal Distribution	Explore the Normal distribution.	
	06/02/23			Explore finding averages from the Normal distribution.	
	13/02/23	School Break Half Term February			
	20/02/23			Explore notation and arithmetic, position vectors in 3D, parallel vectors, unit vectors, magnitude of a vector	
	27/02/23	Vectors	Vector algebra	Explore properties of a line joining two points, vector equation of a straight line, intersecting lines	
	06/03/23		Estimation	Explore estimation of a sample.	
	13/03/23	Statistics	Hypothesis Tests	The explore Hypothesis testing.	
	20/03/23			To explore using a Hypothesis test to test for the averages.	