

National curriculum or specification coverage

The further maths course comprises elements of core pure, further statistics 1 and further mechanics 1. In year 13 we will be covering the A level content. The further mechanics content was all taught in year 1 and will be kept on top of throughout the year through recaps and practice homework tests.

Core pure: Complex numbers, Series, Methods in calculus, Volumes of revolution, Polar coordinates, Hyperbolic functions, Methods in differential equations, Modelling with differential equations.

Further statistics: Negative binomial, Central limit theorem, Probability generating functions, Quality of tests

Further mechanics: Momentum and impulse, Work, energy and power, Elastic strings and springs, Elastic collisions in one dimension, Elastic collisions in two dimensions.

Date	Exams/ Assessments	Learning Intentions	Core Task / Assessments
31/08/26		Series Negative binomial distribution	Exit tickets on topics covered this half term Past papers on topics covered so far Core task – Mechanics past paper
07/09/26		Series Negative binomial distribution	
14/09/26		Series Negative binomial distribution	
21/09/26		Series Complex numbers	
28/09/26		Series Complex numbers	
05/10/26		Methods in calculus Complex numbers	
12/10/26		Methods in calculus Complex numbers Momentum and Impulse	
19/10/26	Y13		
26/10/26		HALF TERM	
02/11/26		Methods in calculus Complex numbers	Exit tickets on topics covered this half term Past papers on topics covered so far Core task – Core pure past paper
09/11/26		Methods in calculus Complex numbers	
16/11/26		Methods in calculus Complex numbers	
23/11/26		Volumes of revolution Central limit theorem	
30/11/26		Volumes of revolution Central limit theorem	

Year 13 Long Term Scheme of Learning 2026-2027

Subject: Further Maths

07/12/26		Volumes of revolution Polar co-ordinates	
14/12/26		Volumes of revolution Polar co-ordinates Work, energy and power	
21/12/26	CHRISTMAS HOLIDAY		
28/12/26			
04/01/27		Hyperbolic functions Polar co-ordinates	Exit tickets on topics covered this half term Past papers on topics covered so far Core task – Stats past paper
11/01/27		Hyperbolic functions Polar co-ordinates	
18/01/27		Hyperbolic functions Polar co-ordinates	
25/01/27		Hyperbolic functions Probability generating functions	
01/02/27		Hyperbolic functions Probability generating functions Elastic strings and springs	
08/02/27	Y13		
15/02/27	HALF TERM		
22/02/27		Differential equations Probability generating functions	Exit tickets on topics covered this half term Past papers on topics covered so far Core task – Core pure past paper 1 and 2
01/03/27		Differential equations Probability generating functions	
08/03/27		Differential equations Probability generating functions	
15/03/27		Differential equations Probability generating functions	
22/03/27		Differential equations Quality of tests Elastic collisions	
29/03/27	SPRING BREAK		
05/04/27			
12/04/27		Differential equations Quality of tests	Exit tickets on topics covered this half term Past papers on topics covered so far Core task – Mech past paper, Stats past paper
19/04/27		Differential equations Quality of tests	
26/04/27		Differential equations Quality of tests Elastic collisions	
03/05/27			
10/05/27			
17/05/27			
24/05/27			
31/05/27	HALF TERM		
07/06/27			
14/06/27			
21/06/27			
28/06/27			
05/07/27			
12/07/27			