## NHS Scope and Sequence: Mathematics Advanced Year 11

Implementation for Year 11 from 2021

		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	
	Торіс			Intro to Calculus Part 1								
Term 1	Unit title	Algebraic techniques F1.1	Introduction to functions F1.2		Linear, quadratic and Fu cubic functions F1.3		relat	Further functions and relations F1.4			Difference quotients C1.2	
	Outcomes	MA11-1, MA11-8, MA11-9		MA11-1, MA11-2, MA11-8, MA11-9						MA11-1, MA11-5, MA11-8, MA11-9		

		Week 1	Week 2	Week 3	Week 4	Week 4 Week 5 Week 6		Week 7	Week 8	Week 9	Week 10		
	Торіс	MA-T1 Trię	g and measure	e of angles	MA	- T2 Trig func	tions	Intro to Calculus Part 2					
Term 2	Unit title	RadiansTrigonometryT1.2T1.1T2		ric functions a	nd identities The derivative function and its graph C1.3 Calculating derivative C1.4				atives				
			Tas	sk 1				Ass	ignment/inve	stigation Task 2			
	Outcomes	MA11-1, MA11-3, MA11-8, MA11-9			MA11-1,	MA11-4, MA11-8	3, MA11-9	MA11-1, MA11-5, MA11-8, MA11-9					

		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Wee	ek 9 Week 10	
	Торіс		MA-S1 -	Statistical An	alysis		MA-E1 – Exponentials and Logs					
Term 3	Unit title	Probability and Venn diagrams S1.1		Discrete p	orobability dis S1.2	tributions	Introducing logarithms E1.1	Logarithmic laws and applications E1.2	The exponential function and natural logarithms E1.3		Graphs and app of exponential and logarithmic functions E1.4	
									Yearly Examinations			
	Outcomes	MA11-7, MA11-8, MA11-9					MA11-6, MA11-8, MA11-9					

## For assessable outcomes refer to assessment schedule

## NHS Scope and Sequence: Mathematics Advanced Year 12

Implementation for Year 12 from Term 4, 2020

		Week 1	Week 2	ek 2 Week 3 Week 4 Week 5 V				Week 7 Wee		Week 9	Week 10
Term 4	Торіс		MA-S2 St	atistical Anal	ysis	MA-F2 Functions			MA – T3 Trig Functions		
	Unit title	Data (grouped and ungrouped) and summary statistics S2.1Bivariate data analysis S2.2						ng techniques F2	;	Trigonometric functions and graphs T3	
			Assignm	ent/investigat	ion						
	Outcomes		MA12-1, MA12-9, MA12-10 MA12-1, MA12-5, MA12-9, M				12-9, MA12-10				

		Week 1	Week 2	Week 3	Week 3 Week 4		Week 6	Week 7	Week 8	Week 9	Week 10
	Торіс	Ν	MA – C2 Differ	ential Calculu	S		Statistica	App of Calculus MA-C3			
Term 1	Unit title	Differentiation of trigonometry, exponential and logarithmic functions C2.1				varia	us random ables 3.1	l distribution 3.2	The first and second derivatives C3.1		
	Outcomes	N	1A12-3, MA12-6,	MA12-9, MA12-1	10		MA12-8, MA	MA12-3, MA12-6, MA12-9, MA12-10			

		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10		
2	Торіс	MA-C3 A	oplications of	differentiation	MA-C4 Calculus								
Term	Unit title	Applic	cations of the C3.2	derivative	The anti-derivative C4.1Areas and the definite integra C4.2						e integral		
	Outcomes	MA12-3, MA12-6, MA12-9, MA12-10			MA12-3, MA12-7, MA12-9, MA12-10								

		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10		
Term 3	Торіс	Financial Mathematics											
	Unit title	Modelling inve loa M1	ns	and s	Arithmetic sequences and series M1.2 Geometric sequences and series M1.3					Financial applications of sequences and series M1.4			
	Outcomes	MA12-2, MA12-4, MA12-9, MA12-10											

For assessable outcomes refer to assessment schedule