

Pure Mathematics Timetable Year 13

Week	A	B
A	1	<ol style="list-style-type: none"> 1. Using 2nd derivatives – 9I 2. Rates of change – 9J 3. Mixed Exc 9
B	2	
A	3	<ol style="list-style-type: none"> 1. Integration standard functions – 11A 2. Integrating $f(ax+b)$ - 11B 3. Using trig identities – 11C 4. Reverse chain rule – 11D
B	4	
A	5	<ol style="list-style-type: none"> 1. Integration by substitution – 11E 2. Integration by parts – 11F 3. Partial fractions – 11G 4. Finding areas – 11H
B	6	
A	7	<ol style="list-style-type: none"> 1. Trapezium rule – 11I 2. Differential equations – 11J
Half Term		
B	8	<ol style="list-style-type: none"> 1. Modelling with differential equations – 11K 2. The modulus function – 2A 3. Functions and mappings – 2B, Composite functions – 2C 4. Inverse functions – 2D
A	9	
B	10	<ol style="list-style-type: none"> 1. Modulus graphs – 2E 2. Combining transformations – 2F 3. Solving modulus problems – 2G 4. Binomial expansion of $(1+x)^n$ – 4A
A	11	
B	12	<ol style="list-style-type: none"> 1. Expanding $(a+bx)^n$ – 4B 2. Using partial fractions – 4C 3. 3D coordinates – 12A, Vectors in 3D – 12B 4. Solving geometric problems – 12C
A	13	
B	14	<ol style="list-style-type: none"> 1. Application to mechanics – 12D 2. Locating roots – 10A
Christmas		

Week		A	B
A	15	1. Iteration – 10B 2. Revision 3. Revision 4. Exam week	1. Statistics 2. Statistics 3. Revision 4. Exam week
B	16		
A	17	1. Exam Week 2. Newton-Raphson method – 10C 3. Application to modelling – 10D 4. Mechanics	1. Exam Week 2. Statistics 3. Statistics 4. Statistics
B	18		
A	19	Mechanics	Statistics
B	20		
Half Term			
A	21	Mechanics	Statistics
B	22		
A	23	Mechanics	1. Statistics 2. Proof by contradiction – 1A 3. Parametric Equations – 8A 4. Using trig identities – 8B
B	24		
A	25	Mechanics	1. Curve sketching – 8C 2. Points of intersection – 8D 3. Modelling with parametrics – 8E 4. Mixed Exc 8
B	26		
Easter			
A	27	Revision	Revision
B	28		
A	29	Revision	Revision
B	30		
A	31	Revision	Revision
B	32		
Study Leave			