SNS KS5 Outline Schemes of Learning 2021/2022

Class	121/Ma1	
Week beginning	Statistics teacher (7)	Mechanics teacher (5)
06-Sep	Initial assessment (in class)	
13-Sep	Pure 1: Algebraic expressions	Pure 12: Differentiation (part 1)
20-Sep	Pure 5: Straight line graphs	Pure 12: Differentiation (part 1)
27-Sep	Pure 2: Quadratics	Pure 12: Differentiation (part 1)
04-Oct	Pure 2: Quadratics	Pure 12: Differentiation (part 2)
11-Oct	Pure 3: Equations and inequalities	Pure 12: Differentiation (part 2)
18-Oct	Pure 4: Graphs and transformations	Pure 12: Differentiation (part 2)
25-Oct	HALF TERM	
01-Nov	Assessment week 1 (in class)	
08-Nov	Pure 4: Graphs and transformations	Pure 13: Integration
15-Nov	Applied 1: Data collection	Pure 13: Integration
22-Nov	Applied 2: Measures of location and spread	Pure 13: Integration
29-Nov	Applied 3: Representations of data	Pure 13: Integration
06-Dec	Applied 4: Correlation	Applied 8: Modelling in mechanics
13-Dec	Applied 5: Probability	Applied 9: Constant acceleration
20-Dec	WINTER HOLIDAY	
27-Dec		
03-Jan	Pure 7: Algebraic methods	Applied 9: Constant acceleration
10-Jan	Assessment week 2 (in class)	
17-Jan	Pure 7: Algebraic methods	Applied 9: Constant acceleration
24-Jan	Pure 8: The binomial expansion	Pure 9: Trigonometric ratios
31-Jan	Pure 11: Vectors	Pure 9: Trigonometric ratios
07-Feb	Pure 11: Vectors	Pure 10: Trigonometric identities and equations
14-Feb	HALF TERM	
21-Feb	Applied 6: Statistical distributions	Pure 10: Trigonometric identities and equations
28-Feb	Applied 6: Statistical distributions	Pure 10: Trigonometric identities and equations
07-Mar	Applied 7: Hypothesis testing	Applied 10: Forces and motion
14-Mar	Pure 14: Exponentials and logarithms	Applied 10: Forces and motion
21-Mar	Assessment week 3 (in class)	
28-Mar	Pure 14: Exponentials and logarithms	Applied 10: Forces and motion
04-Apr	SPRING HOLIDAY	
11-Apr		
18-Apr	Pure 6: Circles	Applied 11: Variable acceleration
25-Apr	Year 2 Pure 3: Sequences and series	Applied 11: Variable acceleration
02-May	Year 2 Pure 3: Sequences and series	Year 2 Pure 5: Radians
09-May	Year 2 Pure 1: Algebraic methods	Year 2 Pure 5: Radians
16-May	Year 2 Pure 1: Algebraic methods	Year 2 Pure 5: Radians
23-May	Year 2 Pure 10: Numerical methods	Year 2 Pure 5: Radians
30-May	HALF TERM	
06-Jun	Revision	Revision
13-Jun	Revision	Revision
20-Jun	End of Y12 exams (Sports Hall)	
27-Jun		
04-Jul	HIGHER EDUCATION WEEK / WORK EXPERIENCE	
11-Jul		
18-Jul		

Class	122/Ma1	
Week beginning	**Statistics teacher (8)**	**Mechanics teacher (4)**
06-Sep	Initial assessment (in class)	
13-Sep	Pure 1: Algebraic expressions	Pure 12: Differentiation (part 1)
20-Sep	Pure 5: Straight line graphs	Pure 12: Differentiation (part 1)
27-Sep	Pure 2: Quadratics	Pure 12: Differentiation (part 1)
04-Oct	Pure 3: Equations and inequalities	Pure 12: Differentiation (part 2)
11-Oct	Pure 4: Graphs and transformations	Pure 12: Differentiation (part 2)
18-Oct	Pure 4: Graphs and transformations	Pure 12: Differentiation (part 2)
25-Oct	HALF TERM	
01-Nov	Assessment week 1 (in class)	
08-Nov	Applied 1: Data collection	Pure 12: Differentiation (part 2)
15-Nov	Applied 2: Measures of location and spread	Pure 13: Integration
22-Nov	Applied 3: Representations of data	Pure 13: Integration
29-Nov	Applied 4: Correlation	Pure 13: Integration
06-Dec	Applied 5: Probability	Pure 13: Integration
13-Dec	Pure 7: Algebraic methods	Pure 13: Integration
20-Dec	WINTER HOLIDAY	
27-Dec		
03-Jan	Pure 7: Algebraic methods	Applied 8: Modelling in mechanics
10-Jan	Assessment week 2 (in class)	
17-Jan	Pure 8: The binomial expansion	Applied 9: Constant acceleration
24-Jan	Pure 9: Trigonometric ratios	Applied 9: Constant acceleration
31-Jan	Pure 10: Trigonometric identities and equations	Applied 9: Constant acceleration
07-Feb	Pure 10: Trigonometric identities and equations	Applied 9: Constant acceleration
14-Feb	HALF TERM	
21-Feb	Pure 11: Vectors	Applied 10: Forces and motion
28-Feb	Pure 11: Vectors	Applied 10: Forces and motion
07-Mar	Applied 6: Statistical distributions	Applied 10: Forces and motion
14-Mar	Applied 7: Hypothesis testing	Applied 10: Forces and motion
21-Mar	Assessment week 3 (in class)	
28-Mar	Pure 14: Exponentials and logarithms	Applied 10: Forces and motion
04-Apr	SPRING HOLIDAY	
11-Apr		
18-Apr	Pure 14: Exponentials and logarithms	Applied 11: Variable acceleration
25-Apr	Pure 6: Circles	Applied 11: Variable acceleration
02-May	Year 2 Pure 3: Sequences and series	Applied 11: Variable acceleration
09-May	Year 2 Pure 3: Sequences and series	Applied 11: Variable acceleration
16-May	Year 2 Pure 1: Algebraic methods	Year 2 Pure 5: Radians
23-May	Year 2 Pure 10: Numerical methods	Year 2 Pure 5: Radians
30-May	HALF TERM	
06-Jun	Revision	Revision
13-Jun	Revision	Revision
20-Jun	End of Y12 exams (Sports Hall)	
27-Jun		
04-Jul	HIGHER EDUCATION WEEK / WORK EXPERIENCE	
11-Jul		
18-Jul		

Class	124/Ma1	
Week beginning	**Statistics teacher (6)**	**Mechanics teacher (6)**
06-Sep	Initial assessment (in class)	
13-Sep	Pure 1: Algebraic expressions	Pure 12: Differentiation (part 1)
20-Sep	Pure 2: Quadratics	Pure 12: Differentiation (part 1)
27-Sep	Pure 2: Quadratics	Pure 5: Straight line graphs
04-Oct	Pure 3: Equations and inequalities	Pure 5: Straight line graphs
11-Oct	Pure 3: Equations and inequalities	Pure 12: Differentiation (part 2)
18-Oct	Pure 4: Graphs and transformations	Pure 12: Differentiation (part 2)
25-Oct	HALF TERM	
01-Nov	Assessment week 1 (in class)	
08-Nov	Pure 4: Graphs and transformations	Pure 12: Differentiation (part 2)
15-Nov	Applied 1: Data collection	Pure 13: Integration
22-Nov	Applied 2: Measures of location and spread	Pure 13: Integration
29-Nov	Applied 2: Measures of location and spread	Pure 13: Integration
06-Dec	Applied 3: Representations of data	Applied 8: Modelling in mechanics
13-Dec	Applied 4: Correlation	Applied 9: Constant acceleration
20-Dec	WINTER HOLIDAY	
27-Dec		
03-Jan	Applied 5: Probability	Applied 9: Constant acceleration
10-Jan	Assessment week 2 (in class)	
17-Jan	Pure 7: Algebraic methods	Applied 9: Constant acceleration
24-Jan	Pure 7: Algebraic methods	Pure 9: Trigonometric ratios
31-Jan	Pure 8: The binomial expansion	Pure 9: Trigonometric ratios
07-Feb	Pure 8: The binomial expansion	Pure 10: Trigonometric identities and equations
14-Feb	HALF TERM	
21-Feb	Applied 6: Statistical distributions	Pure 10: Trigonometric identities and equations
28-Feb	Applied 6: Statistical distributions	Pure 11: Vectors
07-Mar	Applied 7: Hypothesis testing	Pure 11: Vectors
14-Mar	Pure 14: Exponentials and logarithms	Applied 10: Forces and motion
21-Mar	Assessment week 3 (in class)	
28-Mar	Pure 14: Exponentials and logarithms	Applied 10: Forces and motion
04-Apr	SPRING HOLIDAY	
11-Apr		
18-Apr	Pure 6: Circles	Applied 11: Variable acceleration
25-Apr	Pure 6: Circles	Applied 11: Variable acceleration
02-May	Year 2 Pure 3: Sequences and series	Year 2 Pure 5: Radians
09-May	Year 2 Pure 3: Sequences and series	Year 2 Pure 5: Radians
16-May	Year 2 Pure 1: Algebraic methods	Year 2 Pure 5: Radians
23-May	Year 2 Pure 1: Algebraic methods	Year 2 Pure 10: Numerical methods
30-May	HALF TERM	
06-Jun	Revision	Revision
13-Jun	Revision	Revision
20-Jun	End of Y12 exams (Sports Hall)	
27-Jun		
04-Jul	HIGHER EDUCATION WEEK / WORK EXPERIENCE	
11-Jul		
18-Jul		

Class	12 Further Maths			
Week beginning	Calculus Teacher (5)	Statistics Teacher (7)	Mechanics Teacher (6)	Trigonometry Teacher (6)
06-Sep	Initial assessment			
13-Sep	Y1 Pure 5: Straight line graphs	Y1 Applied 1: Data collection	Y1 Pure 1: Algebraic expressions	Y1 Pure 9: Trigonometric ratios
20-Sep	Y1 Pure 5: Straight line graphs	Y1 Applied 2: Measures of location and spread	Y1 Pure 2: Quadratics	Y1 Pure 9: Trigonometric ratios
27-Sep	Y1 Pure 12: Differentiation	Y1 Applied 2: Measures of location and spread	Y1 Pure 3: Equations and inequalities	Y1 Pure 10: Trigonometric identities and equations
04-Oct	Y1 Pure 12: Differentiation	Y1 Applied 3: Representations of data	Y1 Pure 4: Graphs and transformations	Y1 Pure 10: Trigonometric identities and equations
11-Oct	Y1 Pure 12: Differentiation	Y1 Applied 4: Correlation	Y1 Applied 8: Modelling in mechanics	Y1 Pure 7: Algebraic methods
18-Oct	Y1 Pure 13: Integration	Y1 Applied 5: Probability	Y1 Applied 9: Constant acceleration	Y1 Pure 7: Algebraic methods
25-Oct	HALF TERM			
01-Nov	Assessment week 1 (in class)			
08-Nov	Y1 Pure 13: Integration	Y1 Pure 8: The binomial expansion	Y1 Applied 9: Constant acceleration	Y2 Pure 5: Radians
15-Nov	Y1 Pure 13: Integration	Y1 Applied 6: Statistical distributions	Y1 Pure 11: Vectors	Y2 Pure 5: Radians
22-Nov	Y2 Pure 8: Parametric equations	Y1 Applied 7: Hypothesis testing	Y1 Pure 11: Vectors	Y2 Pure 6: Trigonometric functions
29-Nov	Y2 Pure 8: Parametric equations	Y1 Pure 6: Circles	Y1 Applied 10: Forces and motion	Y2 Pure 6: Trigonometric functions
06-Dec	Y2 Pure 8: Parametric equations	Y1 Pure 14: Exponentails and logarithms	Y1 Applied 10: Forces and motion	Y2 Pure 7: Trigonometric modelling
13-Dec	Y2 Pure 8: Parametric equations	Y1 Pure 14: Exponentails and logarithms	Y1 Applied 11: Variable acceleration	Y2 Pure 7: Trigonometric modelling
20-Dec	WINTER HOLIDAYS			
27-Dec				
03-Jan	Y2 Pure 9: Differentiation	Y2 Pure 1: Algebraic methods	Y2 Applied 4: Moments	Y2 Pure 12: Vectors
10-Jan	Assessment week 2 (in class)			
17-Jan	Y2 Pure 9: Differentiation	Y2 Pure 1: Algebraic methods	Y2 Applied 4: Moments	Y2 Pure 12: Vectors
24-Jan	Y2 Pure 9: Differentiation	Y2 Pure 2: Functions and graphs	Y2 Applied 5: Forces and friction	CP1 ch 5: Further Vectors
31-Jan	Y2 Pure 9: Differentiation	Y2 Pure 2: Functions and graphs	Y2 Applied 5: Forces and friction	CP1 ch 5: Further Vectors
07-Feb	Y2 Pure 9: Differentiation	Y2 Pure 4: Binomial expansion	Y2 Applied 6: Projectiles	CP1 ch 5: Further Vectors
14-Feb	HALF TERM			
21-Feb	Y2 Pure 11: Integration	Y2 Applied 1: Regression, correlation & hypothesis testing	Y2 Applied 7: Application of forces	Y2 Pure 3: Sequences and series
28-Feb	Y2 Pure 11: Integration	Y2 Applied 2: Conditional Probability	Y2 Applied 7: Application of forces	Y2 Pure 3: Sequences and series
07-Mar	Y2 Pure 11: Integration	Y2 Applied 3: Normal distribution	Y2 Applied 8: Further kinematics	Y2 Pure 10: Numerical methods
14-Mar	Y2 Pure 11: Integration	Y2 Applied 3: Normal distribution	Y2 Applied 8: Further kinematics	Y2 Pure 10: Numerical methods
21-Mar	Assessment week 3 (in class)			
28-Mar	Y2 Pure 11: Integration	CP1: Volumes of revolution	CP1: Matrices	
04-Apr	SPRING HOLIDAYS			
11-Apr				
18-Apr	Y2 Pure 11: Integration	CP1: Volumes of revolution	CP1: Matrices	
25-Apr	Y2 Pure 11: Integration			
02-May	Further Maths Modules			
09-May				
16-May				
23-May				
30-May	HALF TERM			
06-Jun	Revision			
13-Jun				
20-Jun	End of Y12 exams (Sports Hall)			
27-Jun				
04-Jul	HIGHER EDUCATION WEEK / WORK EXPERIENCE			
11-Jul				
18-Jul				

Class	131/Ma1	
Week beginning	**Statistics teacher (6)**	**Mechanics teacher (6)**
06-Sep	Pure 1: Algebraic methods	Pure 5: Radians
13-Sep	Pure 1: Algebraic methods	Pure 5: Radians
20-Sep	Pure 3: Sequences & Series	Pure 6: Trigonometric functions
27-Sep	Pure 3: Sequences & Series	Pure 6: Trigonometric functions (Except Ex
04-Oct	Pure 4: Binomial expansion	Pure 7: Trigonometric modelling
11-Oct	Pure 4: Binomial expansion	Pure 7: Trigonometric modelling
18-Oct	Pure 8: Parametric equations	Pure 2: Functions and graphs (including Ex
25-Oct	HALF TERM	
01-Nov	Pure 8: Parametric equations	Pure 2: Functions and graphs
08-Nov	Applied 1: Regression, correlation and hypothesis testing	Pure 2: Functions and graphs
15-Nov	Applied 2: Conditional probability	Applied 4: Moments
22-Nov	Applied 2: Conditional probability	Applied 4: Moments
29-Nov	Y13 Mock Exams (Sports Hall)	
06-Dec		
13-Dec	Pure 9: Differentiation	Applied 5: Forces and friction
20-Dec	WINTER HOLIDAYS	
27-Dec		
03-Jan	Pure 9: Differentiation	Applied 5: Forces and friction
10-Jan	Pure 9: Differentiation	Applied 6: Projectiles
17-Jan	Pure 9: Differentiation	Applied 6: Projectiles
24-Jan	Pure 11: Integration	Applied 7: Application of forces
31-Jan	Pure 11: Integration	Applied 7: Application of forces
07-Feb	Pure 11: Integration	Pure 12: Vectors
14-Feb	HALF TERM	
21-Feb	Pure 11: Integration	Pure 12: Vectors
28-Feb	Pure 11: Integration	Applied 8: Further kinematics
07-Mar	Pure 11: Integration	Applied 8: Further kinematics
14-Mar	Applied 3: The normal distribution	Pure 10: Numerical methods
21-Mar	Applied 3: The normal distribution	Pure 10: Numerical methods
28-Mar	Revision	Revision
04-Apr	SPRING HOLIDAY	
11-Apr		
18-Apr	Y13 Final Mock Exams (Sports Hall)	
25-Apr		
02-May	Revision	
09-May		
16-May		
23-May		
30-May	HALF TERM	
06-Jun	A2 exams	
13-Jun		
20-Jun		
27-Jun		
04-Jul		
11-Jul		
18-Jul		

Class	132/Ma1	
Week beginning	**Statistics teacher (4)**	**Mechanics teacher (8)**
06-Sep	Pure 4: Binomial expansion	Pure 1: Algebraic methods (cont.)
13-Sep	Pure 4: Binomial expansion	Pure 5: Radians
20-Sep	Pure 4: Binomial expansion	Pure 5: Radians
27-Sep	Applied 1: Regression, correlation and hypothesis testing	Pure 6: Trigonometric functions
04-Oct	Applied 1: Regression, correlation and hypothesis testing	Pure 6: Trigonometric functions (Except Ex 6E
11-Oct	Applied 2: Conditional probability	Pure 7: Trigonometric modelling
18-Oct	Applied 2: Conditional probability	Pure 7: Trigonometric modelling
25-Oct	HALF TERM	
01-Nov	Applied 2: Conditional probability	Pure 2: Functions and graphs (including Ex 6E
08-Nov	Pure 9: Differentiation	Pure 2: Functions and graphs
15-Nov	Pure 9: Differentiation	Pure 8: Parametric equations
22-Nov	Pure 9: Differentiation	Pure 8: Parametric equations
29-Nov	Y13 Mock Exams (Sports Hall)	
06-Dec		
20-Dec	WINTER HOLIDAYS	
27-Dec		
03-Jan	Pure 9: Differentiation	Pure 3: Sequences & Series
10-Jan	Pure 11: Integration	Applied 4: Moments
17-Jan	Pure 11: Integration	Applied 5: Forces and friction
24-Jan	Pure 11: Integration	Applied 5: Forces and friction
31-Jan	Pure 11: Integration	Applied 6: Projectiles
07-Feb	Pure 11: Integration	Pure 12: Vectors
14-Feb	HALF TERM	
21-Feb	Pure 11: Integration	Pure 12: Vectors
28-Feb	Pure 11: Integration	Applied 7: Application of forces
07-Mar	Applied 3: The normal distribution	Applied 8: Further kinematics
14-Mar	Applied 3: The normal distribution	Applied 8: Further kinematics
21-Mar	Applied 3: The normal distribution	Pure 10: Numerical methods
28-Mar	Revision	Revision
04-Apr	SPRING HOLIDAY	
11-Apr		
18-Apr	Y13 Final Mock Exams (Sports Hall)	
25-Apr		
02-May	Revision	
09-May		
16-May		
23-May		
30-May	HALF TERM	
06-Jun	A2 exams	
13-Jun		
20-Jun		
27-Jun		
04-Jul		
11-Jul		
18-Jul		

Class	134/Ma1	
Week beginning	**Statistics teacher (6)**	**Mechanics teacher (6)**
06-Sep	Pure 3: Sequences & Series	Pure 6: Trigonometric functions
13-Sep	Pure 3: Sequences & Series	Pure 6: Trigonometric functions (Except Ex 6E
20-Sep	Pure 1: Proof by contradiction	Pure 7: Trigonometric modelling
27-Sep	Pure 4: Binomial expansion	Pure 7: Trigonometric modelling
04-Oct	Pure 4: Binomial expansion	Pure 7: Trigonometric modelling
11-Oct	Pure 8: Parametric equations	Pure 2: Functions and graphs (including Ex 6E
18-Oct	Pure 8: Parametric equations	Pure 2: Functions and graphs
25-Oct	HALF TERM	
01-Nov	Applied 1: Regression, correlation and hypothesis testing	Pure 2: Functions and graphs
08-Nov	Applied 2: Conditional probability	Applied 4: Moments
15-Nov	Applied 2: Conditional probability	Applied 4: Moments
22-Nov	Revision	Revision
29-Nov	Y13 Mock Exams (Sports Hall)	
06-Dec		
13-Dec	Pure 9: Differentiation	Applied 5: Forces and friction
27-Dec	WINTER HOLIDAYS	
03-Jan	Pure 9: Differentiation	Applied 5: Forces and friction
10-Jan	Pure 9: Differentiation	Applied 6: Projectiles
17-Jan	Pure 9: Differentiation	Applied 6: Projectiles
24-Jan	Pure 11: Integration	Applied 7: Application of forces
31-Jan	Pure 11: Integration	Applied 7: Application of forces
07-Feb	Pure 11: Integration	Pure 12: Vectors
14-Feb	HALF TERM	
21-Feb	Pure 11: Integration	Pure 12: Vectors
28-Feb	Pure 11: Integration	Applied 8: Further kinematics
07-Mar	Pure 11: Integration	Applied 8: Further kinematics
14-Mar	Applied 3: The normal distribution	Pure 10: Numerical methods
21-Mar	Applied 3: The normal distribution	Pure 10: Numerical methods
28-Mar	Revision	Revision
04-Apr	SPRING HOLIDAY	
11-Apr		
18-Apr	Y13 Final Mock Exams (Sports Hall)	
25-Apr		
02-May	Revision	
09-May		
16-May		
23-May		
30-May	HALF TERM	
06-Jun	A2 exams	
13-Jun		
20-Jun		
27-Jun		
04-Jul		
11-Jul		
18-Jul		

Class	13 Further Maths		
Week beginning	Further Calculus Teacher (12)	Complex Numbers Teacher (8)	Mechanics Teacher (4)
06-Sep	Calculus - volumes of revolution	Complex numbers	Matrices
13-Sep	Proof	Complex numbers	Matrices
20-Sep	Further Calculus	Complex numbers	Matrices
27-Sep	Further Calculus	Roots of polynomials	Matrices
04-Oct	Further Calculus	Roots of polynomials	Matrices
11-Oct	Further Calculus	Further Vectors	Matrices
18-Oct	Series	Further Vectors	Matrices
25-Oct	HALF TERM		
01-Nov	Polar coordinates	Further Vectors	Matrices
08-Nov	Polar coordinates	Complex numbers	Momentum and impulse
15-Nov	Polar Coordinates	Complex numbers	Momentum and impulse
22-Nov	Polar coordinates	Complex numbers	Work, energy, power
29-Nov	Y13 Mock Exams (Sports Hall)		
06-Dec			
13-Dec	Further Differential equations	Hyperbolic functions	Work, energy, power
20-Dec	WINTER HOLIDAYS		
27-Dec			
03-Jan	Further Differential equations	Hyperbolic functions	Elastic strings and springs
10-Jan	Further Differential equations	Hyperbolic functions	Elastic strings and springs
17-Jan	Further Differential equations	Conic sections	Elastic strings and springs
24-Jan	Inequalities	Conic sections	Elastic collisions in 1D
31-Jan	Further Trigonometry	Conic sections	Elastic collisions in 1D
07-Feb	Further Calculus	Conic sections	Elastic collisions in 1D
14-Feb	HALF TERM		
21-Feb	Further Calculus	Further Vectors	Elastic collisions in 2D
28-Feb	Further Differential equations	Further Vectors	Elastic collisions in 2D
07-Mar	Further Differential equations	Further Vectors	Elastic collisions in 2D
14-Mar	Further Differential equations	Further Vectors	Elastic collisions in 2D
21-Mar			
28-Mar			
04-Apr	SPRING HOLIDAYS		
11-Apr			
18-Apr	Y13 Final Mock Exams (Sports Hall)		
25-Apr			
02-May	Revision		
09-May			
16-May			
23-May			
30-May	HALF TERM		
06-Jun	A2 exams		
13-Jun			
20-Jun			
27-Jun			
04-Jul			
11-Jul			
18-Jul			