

Dates	Topics	Subtopics
Sep 11 th – Sep 15 th	Problem Solving	1.1 Solving problems 1.2 Writing mathematics 1.3 Proof
Sep 18 th – Sep 22 nd	Surds and Indices	2.1 Using and manipulating surds 2.2 Working with indices
Sep 25 th – Sep 29 th	Quadratic Functions	3.1 Quadratic graphs and equations 3.2 The completed square form 3.3 The quadratic formula
	Equations and Inequalities	4.1 Simultaneous equations 4.2 Inequalities
Oct 2 nd – Oct 6 th	Coordinate Geometry	5.1 Working with straight lines 5.2 The intersection of two lines 5.3 Straight line models
Oct 9 th – Oct 13 th	Assessment 1	
	Coordinate Geometry	5.4 The circle 5.5 The intersection of a line and a curve
Oct 16 th – Oct 18 th	Feedback	
Oct 19 th – Oct 29 th	October Half term	

Dates	Topics	Subtopics
Oct 30 th – Nov 3 rd	Data Collection	14.1 Using statistics to solve problems 14.2 Sampling
	Data Processing, Presentation and Interpretation	15.1 Presenting different types of data 15.2 Ranked data
Nov 6 th – Nov 10 th	Data Processing, Presentation and Interpretation	15.3 Discrete numerical data 15.4 Continuous numerical data 15.5 Bivariate data 15.6 Standard deviation 15.7 Linear coding
Nov 13 th – Nov 17 th	Probability	16.1 Working with probability 16.2 Probability distributions
	Kinematics	19.1 The language of motion 19.2 Speed and velocity
Nov 20 th – Nov 24 th	Kinematics	19.3 Acceleration 19.4 Using areas to find distances and displacement 19.5 The constant acceleration formulae 19.6 Further examples
Nov 27 th – Dec 1 st	Trigonometry	6.1 Trigonometric functions 6.2 Trigonometric functions for angles of any size 6.3 Solving equations using graphs of trigonometric functions
Dec 4 th – Dec 8 th	Assessment 2	
	Trigonometry	6.4 Triangles without right angles 6.5 The area of a triangle
Dec 11 th – Dec 15 th	Feedback	
	Polynomials	7.1 Polynomial expressions
Dec 18 th – Dec 19 th	Polynomials	7.2 Dividing polynomials 7.3 Polynomial equations
Dec 20 th – Jan 3 rd	Christmas	

Dates	Topics	Subtopics
Jan 4 th – Jan 5 th	Graphs and Transformations	8.1 The shapes of curves 8.2 Using transformations to sketch curves
Jan 8 th – Jan 12 th	Graphs and Transformations	8.3 Using transformations 8.4 Transformations and graphs of trigonometric functions
	The Binomial Expansion	9.1 Binomial expansions
Jan 15 th – Jan 19 th	The Binomial Distribution	17.1 Introduction to binomial distribution 17.2 Using the binomial distribution
Jan 22 nd – Jan 26 th	Statistical hypothesis testing using the binomial distribution	18.1 The principles and language of hypothesis testing 18.2 Extending the language of hypothesis testing
Jan 29 th – Feb 2 nd	Forces and Newton's laws of motion	20.1 Force diagrams 20.2 Force and Motion 20.3 Types of forces
Feb 5 th – Feb 9 th	Mock Week – Assessment 3	
Feb 12 th – Feb 16 th	Feedback	
	Forces and Newton's laws of motion	20.4 Pulleys 20.5 Applying Newton's second law along a line
Feb 17 th – Feb 26 th	Feb Half Term	
Feb 27 th – Mar 2 nd	Forces and Newton's laws of motion	20.6 Newton's second law applied to connected objects
Mar 5 th – Mar 9 th	Variable Acceleration	21.1 Using differentiation 21.2 Finding displacement from velocity 21.3 The constant acceleration formulae revisited
	Differentiation	10.1 The gradient of the tangent as a limit 10.2 Differentiation using standard results
Mar 12 th – Mar 16 th	Differentiation	10.3 Tangents and normal 10.4 Increasing and decreasing functions and stationary points 10.5 Sketching the graphs of gradient functions 10.6 Extending the rule
Mar 19 th – Mar 23 rd	Differentiation	10.7 Higher order derivatives 10.8 Practical problems 10.9 Finding the gradient from first principles
Mar 26 th – Mar 29 th	Integration	11.1 Integration as the reverse of differentiation 11.2 Finding areas
Mar 30 th – Apr 15 th	Easter	

Dates	Topics	Subtopics
Apr 16 th – Apr 20 th	Integration	11.3 Areas below the x -axis 11.4 Further integration
Apr 23 rd – Apr 27 th	Vectors	12.1 Vectors 12.2 Working with vectors 12.3 Vector geometry
Apr 30 th – May 4 th	Exponentials and logarithms	13.1 Exponential functions 13.2 Logarithms 13.3 The exponential function
May 7 th – May 11 th	Exponentials and logarithms	13.4 The natural logarithm function 13.5 Modelling curves
End of Year 1 Textbook		
May 14 th – May 18 th	Proof	1.1 Proof 1.2 Methods of proof
May 21 st – May 25 th	Trig	2.1 Radians 2.2 Circular measure 2.3 Small-angle approximations
May 26 th – Jun 3 rd	May Half Term	
Jun 4 th – Jun 8 th	Sequences and Series	3.1 Definitions and notations 3.2 Arithmetic sequences and series
Jun 11 th – Jun 15 th	Sequences and Series	3.3 Geometric sequences and series
Jun 18 th – Jun 22 nd	Review of Year	
Jun 25 th – Jun 29 th	Mock Week – Assessment 4	
July 2 nd – July 6 th	Feedback	
	Functions	4.1 Language of functions
July 9 th – July 13 th	Functions	4.2 Composite functions
July 16 th – July 18 th	Functions	4.3 The modulus function
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