

Mathematics 7 Year Curriculum Overview 2023-24

Year Group	Autumn 1 - 8 weeks 04.09.23 - 27.10.23	Autumn 2 - 7 weeks 06.11.23 - 22.12.23	Spring 1 - 5 weeks 08.01.24 - 9.02.24	Spring 2 - 5 weeks 19.02.24 - 22.03.24	Summer 1 - 7 weeks 08.04.24 - 23.05.24	Summer 2 - 7 weeks 03.06.23 - 19.07.23
7	1 Analysing & displaying data 2 Number skills	3 Expressions, functions & formulae 4. Decimals & measures	5 Fractions & percentages 6 Probability	7 Ratio & Proportion	8 Lines & angles 9 Sequences	10 Transformations
8	1 Number 2 Area & Volume	3 Statistics, graphs & charts 4 Expressions & equations	5 Real-life graphs	6 Decimals & ratio 7 Lines & angles	8 Calculating with fractions 9 Straight line graphs	10 Percentages, decimals & fractions
9	1 Indices & standard form 2 Expressions & formulae 3 Dealing with data	4 Multiplicative reasoning 5 Constructions	6 Sequences, inequalities, equations & proportion	7 Circles, Pythagoras & Prisms 8 Graphs	9 Probability	10 Comparing shapes
10	1 Number(F)/Number(H) 2 Algebra (F)/Algebra (H) 3 Graphs, tables & charts(F)/ Interpreting & representing data(H)	4 Fractions & percentages(F)/ Fractions, ratio & percentages(H) 5 Equations, inequalities & sequences(F)/ Angles & trigonometry(H)	6 Angles(F)/ Graphs(H) 7 Averages & range(F)/ Area & volume(H)	8 Perimeter, area & volume(F)/ Transformations & constructions(H)	9 Graphs(F)/ Equations & inequalities(H) 10 Transformations(F)/ Probability(H) 11 Ratio & proportion(F)/ Multiplicative reasoning(H)	12 Right-angles triangles(F)/ Similarity & congruence(H) 13 Probability(F)/ More trigonometry(H) 14 Further Statistics(H)
11	19. Pythagoras and trigonometry 15. Working in 3D	16. Handling Data 2 18. Graphs 2	17. Calculations 2 19. Pythagoras and trigonometry	20. Combined events 21. Sequences 22. Units and proportionality	PLC review & retrieval practice	

12	<p>Quadratics Algebraic expressions Graphs and transformations Equations and inequalities Straight line graphs Circles</p>	<p>Algebraic methods Binomial expansion Trigonometrical ratios Trig identities and equations Sampling Data presentation and interpretation Probability</p>	<p>Trig identities and equations Vectors Statistical distributions Hypothesis testing Modelling</p>	<p>Differentiation Integration Constant acceleration Forces and Newton's laws</p>	<p>Integration Exponential and logs Forces and Newton's laws Variable acceleration Algebraic Methods</p>	<p>Functions and modelling Series and sequences Trigonometric Functions Radians</p>
13	<p>Trigonometry Series and sequences Binomial theorem Parametric equations Regression and correlation</p>	<p>Differentiation Probability Normal distribution Numerical methods</p>	<p>Integration Moments Forces at any angle Application of kinematics</p>	<p>Integration Application of kinematics Applications of forces Further kinematics</p>	<p>Vectors</p>	