Year overview

Term 1a: Friday 3rd September – Friday 22nd October	Term 1b: Friday 1st November – Tuesday 21st December
(approx. 7 weeks = 32 hours)	(approx. 7 weeks = 31 hours)
1a: Integers and place value 1b: Decimals 1c: Indices, powers and roots 1d: Factors, multiples and primes 18b: Indices and standard form Mini Assessment 4a: Fractions, decimals and percentages 18a: Fractions 4b: Percentages	11a: Ratio (3-5) 11b: Proportion (4-6) Mini Assessment 2a: Algebra – the basics (5-7) 2b: Expressions and substitution into formula 5a: Equations and inequalities 20: Rearrange equations and simultaneous equations
Term 2a: Friday 7th January – Friday 11th February	**Term 2b: Monday 21st February – Friday 1st April**
(approx. 5 weeks = 23 hours)	(approx. 6 weeks = 27 hours)
5b: Sequences 9b: Straight line graphs 9a: Real life graphs Mini assessment 8: Perimeter, area and volume	8: Perimeter, area and volume 6a: Properties of shapes, parallel lines and angle facts 6b: Interior and exterior angles of polygons 12: Right angled triangles Mini assessment 10: Transformations
Term 3a: Tuesday 19th April – Friday 27th May	**Term 3b: Monday 6th June – Friday 22nd July**
(approx. 6 weeks = 27 hours)	(approx. 7 weeks = 31 hours)
10: Transformations 13: Probability 3a: Tables, charts and graphs 3b: Pie charts 3c: Scatter graphs	7: Statistics, sampling and averages Revision End of year exams Exam review

Use the KS4 curriculum map breakdown to see learning objectives for students.

Topic & Description	Lesson (approx)	Textbook Ref.	Hegarty	Maths Watch	Resources & Applications	Activities & Extension	Homework
Integers and place value ● Integers and decimals ● Powers of 10 ● Order of operations ● Rounding	3 – 5						
Decimals ● Operations with decimals ● Rounding ● Estimating	2 – 4						
Indices, powers and roots ● Index notation ● Laws of indices ● Order of operations	4 – 6						
Factors, multiples and primes ● Multiples and factors ● Prime factorisation ● HCF and LCM	3 – 5						
Indices and standard form ● Indices ● Standard form	4 – 6						
Fractions, decimals and percentages ● Equivalent fractions ● Mixed numbers ● Operations with fractions ● Fractions and decimals ● FDP	6 - 8						
Fractions ● Equivalent fractions ●	4 – 6						
Percentages	5 – 7						

● Percentage of a value ● Increase/decrease by a percentage							
Ratio ● Ratio introduction ● Share into a ratio ● Difference problems ● Ratio in context	3 – 5						
Proportion ● Direct proportion ● Best buys ● Currency conversion ● Proportion using graphs	4 – 6						
Algebra basics ● Notation ● Simplifying ● Multiplying terms ● Dividing terms	5 – 7						
Expressions and substitution ● Expand single brackets ● Expanding and simplifying single brackets ● Factorise an expression ● Substitution ● Derive a formula	4 – 6						
Equations and inequalities ● Solve linear equations ● Set up and solve linear equations ● Inequalities on number line ● Solve inequalities ● Integers that satisfy inequalities	7 – 9						
Rearranging formulae ● Rearrange simple formulae ● Rearrange formulae with roots and squares	2 – 3						

Simultaneous equations							