



Mathematics

Yr 7	Autumn Term 1	Spring Term 1	Summer Term 1
1	1. Whole numbers and decimals- Knowledge a. Place value: b. Ordering whole numbers: c. Place value and decimals:	6. Graphs 6c. Reading graphs: 6d Line graphs 1: 6e Line graphs 2: My Summary and My review	e. Measuring and drawing angles (5C) f. Drawing a Triangle (5F) g. Introducing circles. .My Summary and My review
2	d. Decimals and money: e. Adding decimals: f. Temperature:	7. Adding and subtracting a. Mental methods of addition: b. Mental methods of subtraction:	13. Sequences 2A Ch 13 a. Sequences: b. Describing sequences: c. Using rules:
3	g. Rounding and estimating: h. Order of operations: My Summary and My review	c. Written addition and subtraction 1: d. Written addition and subtraction 2: My Summary and My review	d. Sequences with negative numbers: My Summary and My review 14. Multiplying and dividing 2A Ch 11 a. Multiplication b. Multiplying by 10 and 100. c. Mental methods of multiplication.
4	2. Measures, perimeter and area. a. Measure lines b. Reading scales: c. Time:.	8. Statistics a. Planning and collecting data: b. Organising data: c. Reading lists and tables:	d. Written methods of multiplication: e. Mental methods of division f. Division problems
5	d. 2D Shapes: e. Perimeter:	d. Reading and drawing pictograms: e. Reading and drawing bar charts: f. Reading pie charts:	g: Written methods of division h. Calculator skills My summary and My review
6	f. Area: g. Metric units: My Summary and My review	g. Reading diagrams: h. Averages –	15. Ratio and Proportion 2B Ch 15 a. Ratio and proportion: b. Ratio and proportion problems: c. Solving arithmetic problems: d. Scale drawings: My summary and my review
7	3. Expressions and Formulae a. Using letters 1:. b. Using letters 2:	i. Averages- The median: j. Comparing data- range and average: My Summary and My review	16. Probability 2B Ch 16 a. Introducing probability: b. The probability scale 1:



	c. Adding with symbols:		c. The probability scale 2:
8	d. Simplifying expressions: e. Substitution: f. Creating a formula: My Summary and My review	9. Transformations and symmetry: 2a Ch 9 a. Lines of symmetry: b. Reflection: c. Translations:	d. Sets My summary and my review
	<u>Autumn Term 2</u>	<u>Spring Term 2</u>	<u>Summer Term 2</u>
9	4. Fractions, decimals, and Percentages. a. Writing fractions b. Equivalent Fractions: c. Improper Fractions:	d. Rotation: e. Tessellations: My Summary and My review	17. Functional maths: The swimming gala. Shape, space and measure.
10	d. Fractions of an amount1: e. Fractions of an amount2:	10. Equations: 2a Ch 10 a. Operations: b. Inverse operations:	Functional maths: The diving pool and ticket sales Handling data, Number.
11	f. Percentages: g. Finding percentages: h. Fractions, decimals and percentages: My Summary and My review	c. Using letters 3: d. Equations 1: e. Equations 2: My Summary and My Review	Functional maths: Getting ready for the gala Handling data, Number, Shape, space and measure.
12	5. Angles and 2D shapes. a. Angles: b. Adding angles: c. Measuring angles:	11. Factors and multiples. 2A Ch 1 a. Factors: b. Multiples:	Functional maths: The diving competition and the café. Handling data, Number, Shape, space and measure
13	d. Finding angles at a point: e. Calculating angles: f. Properties of triangles:	c. Tests of divisibility: d. Square numbers: My summary and My review	Functional maths: The invitation event Handling data, Number, Shape, space and measure
14	g. Angles in a triangle: h. Compass turns: My Summary and My review	12 Constructions and 3D shapes. 2A Ch12, 2A Ch14 a. 3D shapes: b. Nets of cubes:	
15	6. Graphs a. Coordinates: b. Coordinates with negative numbers:	c. Nets of other 3D shapes: d. 2D representations of 3D shapes:	



SUBJECT _____

Yr 8	Autumn Term 1	Spring Term 1	Summer Term 1
1	1. Whole numbers and decimals. 3B Ch1 a. Integers and decimals. b. Multiplying and dividing integers c. Multiples and factors	d. Mental multiplication and division e. Mental addition and subtraction problems f. Mental multiplication and division problems My summary and My review	13. Sequences Ch 13 a. Term to Term dates b. Position to term rules
2	d. Prime numbers e. LCM and HCF	8. Statistics 3B Ch 8 a. Planning a data collection b. Collecting data c. Pie charts	c. Sequences in context. d. Geometric sequences My summary and My review
3	f. Squares and cubes g. Square roots h. Cube roots My summary and My review.	d. Bar charts and frequency diagrams e. Averages f. Averages from frequency tables	14. 3D shapes. 3B Ch 14 a. 3d shapes b. Plans and elevations
4	2. Measure, perimeter, and area. 3B Ch2 a. Metric Measures b. Imperial Measure c. Perimeter and area of a rectangle	g Scatter graphs and correlation h Stem and leaf diagrams My summary and my review	c. Surface area of a cuboid (2c) d. Volume of a cuboid e. Prisms My summary and My review
5	d. Area of a triangle e. Area of a parallelogram and a trapezium My summary and My review	9. Transformations and symmetry. 3B Ch 9 a. Transformations b. Combinations of transformations	15. Ratio and Proportion Ch 15 (1b, 12g) a. Ratio b. Division in a given ratio. .c. Direct proportion
6	3. Expressions and Formulae 3B a. Simplifying and substituting b. Indices	c. Symmetry d. Enlargements 1 e. Enlargements 2	d. Ratio and proportion e. Percentages increase and decrease.



			f. Comparing proportions My summary and My review
7	c. Like Terms d. Expanding brackets e. Substitution into formulae f. Writing a formula My summary and My review	10. Equations 3B Ch 10 a. Solving one step equations b. Solving multi – step equations	16. Probability Ch 16 a. Listing outcomes b. Probability c. Experimental probability
	<u>Autumn Term 2</u>	<u>Spring Term 2</u>	<u>Summer Term 2</u>
8	4.Fractions, decimals and percentages 3B a. Ordering decimals b. Fractions and decimals c. Adding and subtracting fractions.	c. Equations with brackets d.Real life equations	d. Theoretical and experimental probability e. Sets My summary and My review
9	d. Fraction of a quantity e. Percentage of amounts f. Fractions, decimals, and percentages My summary and My review.	11.Written and calculator methods. 3B Ch 7 a. Written addition and subtraction (1a7b) b. Written methods of multiplication c. Written methods of division	Functional maths: 17 a Planning the trip to France Algebra and Number
10	5. Angles and shapes 3B a. Angles b. Properties of a triangle c. Angles in parallel lines	d. Order of operations e. Addition and subtraction problems. f. Multiplication and division problems g. Calculation methods My summary and My review	Functional maths 17B Camp Sarlat Shape, space and measure. Functional maths 17C The sports day Handling data, Number.
11	d.Properties of a quadrilateral e. Properties of a polygon f. Congruent shapes My summary and my review	f. Multiplication and division problems g. Calculation methods My summary and My review	Functional maths 17d The expedition Number, Shape, space and measure.
12	6. Graphs 3B Ch 6 a.Drawing straight line graphs b. Equation of a straight line c. Real life graphs 1	12. Constructions 3B Ch12 Constructing triangles 1(5b) b.Construct triangles 2	Functional maths 17e Camp life Number, SSM, Algebra.



13	d. Real life graphs 2 e. Time series graphs My summary and my review	c. Bisectors d. Constructing perpendiculars.	
14	7. Mental calculations 3B Ch 7 a. Rounding b. Mental addition and subtraction c. Multiply and divide by powers of 10	e. Loci f. Scale drawings g. Bearings My summary and my review.	

Co-ordinator _____ Date _____

SUBJECT _____

Yr 9	Autumn Term 1	Spring Term 1	Summer Term 1
1	Whole numbers and decimals 1a. Powers of 10 (11c) 1b. Rounding (7e) 1c. Order of operations (7f)	6c. Drawing straight line graphs . 6d. Problem solving using straight line graphs. 6e. Straight line rules Find the gradient of a straight line graph.	10d. Balancing equations 2 10e Writing equations (13c)
2	1d. Multiples, factors, divisibility and prime numbers. 1e. Prime factors, the HCF and the LCM (16g) 1f. Ordering decimals	6f Interpreting real life graphs. 6g Time series graphs My summary and my review	11 Powers and roots 11a Square numbers and square roots 11b Using square numbers and square roots.



	My summary and my review		
3	2. Measure and area 2a. Metric measures 2b. Imperial measures 2c Area (14f) 2d. Area of a triangle	7. Calculations 7a. Addition and subtraction 7b. Mental multiplication and division 7c Written multiplication	11c Indices 11d Standard form My summary and my review 12 Constructions 12a Using a protractor 12b Perpendicular lines 12c Perpendicular bisectors
4	2e. Area of a parallelogram 2f. Circumference of a circle My summary and my review	7d Written division 7e Estimating and approximating	12d Angle bisectors 12e Constructing triangles 12f Bearings My summary and my review
5	3. Expressions and formulae 3a Simplifying expressions. (10d) 3b Using brackets	7f. Using a calculator My summary and my review	13 Sequences 13a Term to Term sequences 13b Position to term rules
6	3c. Formulae 3d. Making expressions (10e) My summary and my review.	8. Statistics 8a. Designing a survey 8b. Collecting data 8c. Frequency tables	13c The nth term formula 13d Recursive sequences My summary and My review
	<u>Autumn Term 2</u>	<u>Spring Term 2</u>	<u>Summer Term 2</u>
7	4. Fractions, decimals and percentages 4a. Adding and subtracting fractions 1 4b. Adding and subtracting fractions 2 4c. Fraction of a quantity 4d. Multiplying and dividing fractions	8d. Bar charts 8e. Pie charts 8f. Calculating averages. 8g Scatter graphs 8h. Stem and leaf diagrams	14 3D shapes 14a Three dimensional shapes 14b Nets 14c Plans and elevations
8	4e. Fractions and decimals 4f. Percentage of a quantity. (15d)	8i. Frequency diagrams 8j Writing a statistical report My summary and my review	14d Volume of a cuboid 14e Shapes made from cuboids 14f Surface area of a cuboid My summary and my review
9	4g. Percentage problems (15e) 4h. Financial maths 1: percentage (15f)	9. Transformations and symmetry 9a, Reflection and rotation symmetry.	15 Ratio and proportion 15a Ratio

