5-year AQA Foundation tier Route Map Year 7

SEPTEMBER		OCTOBER			NOVEMBER	
Weeks 1–2 Using Numbers	**Weeks 3–4** Sequences	**Weeks 5–6** Perimeter and area	**Week 7** *Extended project Revision and assessment*	**Week 8** *Holiday*	**Week 9** Decimal numbers	**Week 10** Decimal numbers

NOVEMBER		DECEMBER			JANUARY	
Weeks 11–12 Working with numbers	**Weeks 13–14** Statistics	**Week 15** *Assessment and review*	**Week 16** *Holiday*	**Week 17** *Holiday*	**Weeks 18–19** Algebra	**Weeks 20 - 21** Fractions

JANUARY	FEBRUARY			MARCH	APRIL	
Weeks 22–23 Angles	**Week 23** Assessment	**Week 24** *Holiday*	**Weeks 25–26** Coordinates and graphs	**Weeks 27–28** Percentages	**Weeks 29–30** Probability	**Week 31** *Holiday*

APRIL		MAY				JUNE	
Week 32 *Holiday*	**Weeks 33–34** Symmetry	**Weeks 35–36** Equations	**Weeks 36–37** Interpreting data	**Week 37** Assessment	**Week 38** *Holiday*	**Weeks 39–40** 3D shapes	**Weeks 41–42** Ratio

JUNE	JULY
Weeks 43 - 44 Extended project	**Week 45** *Assessment*

5-year AQA Foundation tier Route Map Year 8

SEPTEMBER		OCTOBER		NOVEMBER	
Weeks 1–2 Working with numbers	**Weeks 3 - 4** Geometry	**Weeks 5–6** Probability	**Week 7** Extended project Revision and assessment	**Week 8** *Holiday*	**Week 9** Percentages

NOVEMBER		DECEMBER			
Week 10 Percentages	**Weeks 11–12** Sequences	**Weeks 13–14** Area	**Week 15** *Assessment and review*	**Week 16** *Holiday*	**Week 17** *Holiday*

JANUARY		FEBRUARY			MARCH
Weeks 18–19 Graphs	**Weeks 20–21** Simplifying numbers	**Weeks 22–23** Interpreting data	**Week 23** *Assessment*	**Week 24** *Holiday*	**Weeks 25–27** Algebra

MARCH		APRIL			MAY	
Weeks 28–29 Congruence and scaling	**Week 30** Revision and assessment	**Week 31** *Holiday*	**Week 32** *Holiday*	**Weeks 33–35** Fractions and decimals	**Weeks 35–36** Proportion	**Week 37** Circles

MAY		JUNE			JULY
Week 37 Assessment	**Week 38** *Holiday*	**Weeks 39–40** Equations and formulae	**Weeks 41–42** Comparing data	**Weeks 43–44** *Extended project*	**Week 45** *Assessment*

5-year AQA Foundation tier Route Map Year 9

SEPTEMBER		OCTOBER			
Weeks 1–2 Percentages	**Weeks 3–4** Equations and formulae	**Weeks 5–6** Polygons	**Weeks 6–7** Using data	**Week 7** *Assessment*	**Week 8** *Holiday*
NOVEMBER			DECEMBER		
Week 9 Circles	**Week 10** Circles	**Weeks 10–11** Applications of graphs	**Weeks 12–13** Pythagoras' theorem	**Week 14** Enlargements	**Week 15** *Assessment and review*
DECEMBER		JANUARY			FEBRUARY
Week 16 *Holiday*	**Week 17** *Holiday*	**Weeks 18–19** Fractions	**Week 20–21** Algebra	**Weeks 22–23** Decimal numbers	**Week 23** *Assessment*	**Week 24** *Holiday*
FEBRUARY	MARCH			APRIL	
Weeks 25–26 Surface area and volume of 3D shapes	**Weeks 27–28** Prisms and cylinders	**Weeks 28–30** Solving equations graphically	**Week 30** *Revision and assessment*	**Week 31** *Holiday*	**Week 32** *Holiday*
APRIL		MAY			JUNE
Weeks 33–34 Distance, speed and time	**Week 35–36** Compound units	**Week 36–37** Similar triangles	**Week 37** *Assessment*	**Week 38** *Holiday*	**Weeks 39–40** Right-angled triangles
JUNE		JULY			
Weeks 41–42 *Revision and GCSE preparation*		**Weeks 43–44** *Extended project*		**Week 45** *Assessment*	

5-year AQA Foundation tier Route Map Year 10

SEPTEMBER		OCTOBER		NOVEMBER
Weeks 1–3 **Number:** Basic Number	**Weeks 4–6** **Geometry and measures:** Measures and scale drawings	**Week 7** **Statistics:** Charts, tables and averages	**Week 8** *Holiday*	**Week 9** **Statistics:** Charts, tables and averages
NOVEMBER		DECEMBER		JANUARY
Weeks 10–12 **Geometry and measures:** Angles	**Weeks 13–15** **Number:** Number properties	**Week 16** *Holiday*	**Week 17** *Holiday*	**Weeks 18–19** **Number:** Approximations	**Weeks 20–21** **Number:** Decimals and fractions
JANUARY	FEBRUARY		MARCH		APRIL
Weeks 22–23 **Algebra:** Linear Graphs	**Week 24** *Holiday*	**Week 25** **Algebra:** Linear Graphs	**Weeks 26–28** **Algebra:** Expressions and formulae	**Weeks 29–30** **Ratio and proportion and rates of change:** Ratio, speed and proportion	
APRIL				MAY	
Week 31 *Holiday*	**Week 32** *Holiday*	**Weeks 33–34** **Geometry and measures:** Perimeter and area	**Weeks 35–36** **Geometry and measures:** Transformations	**Week 37** **Probability:** Probability and events	**Week 38** *Holiday*
MAY	JUNE				JULY
Week 39 **Probability:** Probability and events	**Week 40** **Geometry and measures:** Volumes and surface areas of prisms	**Week 41** *Summer examinations and revision*	**Week 43** **Geometry and measures:** Volume and surface areas of prisms		**Weeks 44–45** Algebra: Linear equations

5-year AQA Foundation tier Route Map Year 11

SEPTEMBER		OCTOBER		NOVEMBER
Weeks 1–2 **Ratio and proportion and rates of change:** Percentages and compound measures	**Weeks 3–4** **Ratio and proportion and rates of change:** Percentages and variation	**Weeks 5–7** **Statistics:** Representation and interpretation	**Week 8** *Holiday*	**Weeks 9–10** **Geometry and measures:** Constructions and loci

NOVEMBER	DECEMBER				JANUARY	
Weeks 11–12 **Geometry and measures:** Curved shapes and pyramids	**Week 13** *Revision and review*	**Weeks 14–15** *Mock examinations and revision*	**Week 16** *Holiday*	**Week 17** *Holiday*	**Weeks 18–19** **Algebra:** Number and sequences	**Weeks 20–21** **Geometry and measures:** Right-angled triangles

JANUARY	FEBRUARY			MARCH	**APRIL**
Week 22 **Geometry and measures:** Right-angled triangles	**Week 23** *Holiday*	**Weeks 24–25** **Geometry and measures:** Congruency and similarity	**Weeks 26–27** **Probability:** Combined events	**Weeks 28–29** **Number:** Powers and standard form	**Week 30** **Number:** Powers and standard form

APRIL			MAY		JUNE
Week 31 *Holiday*	**Week 32** *Holiday*	**Weeks 33–35** **Algebra:** Simultaneous equations and linear inequalities	**Weeks 36–37** **Algebra** Non-linear graphs	**Week 38** *Holiday*	**Weeks 39–40** *Revision*

JUNE		JULY		
Week 41 *June examinations*	**Week 42** *June examinations*	**Week 43**	**Week 44**	**Week 45**

5-year Scheme of Work

This 5-year Foundation Scheme of Work offers a flexible approach for Year 7 to Year 11. It is based on a minimum of seven one hour Maths lessons per fortnight (assuming a two week timetable of three lessons in one week and four in the second). This accounts for an average of 140 teaching hours per academic year, with the exception of Year 11, which has 115 due to GCSE examinations in summer (2). In addition to this, there are assessment and review sessions built in.

Core texts are Maths Frameworking (3rd edition) Pupil Books 1.1, 1.2, 2.1, 2.2, 3.1, 3.2 and AQA GCSE Maths (4th Edition) Foundation Student Book.

Mathematical reasoning, problem solving activities and applications are an integral part of each topic.

Students should progress at their own rate with book 2 not being appropriate for all.

There are opportunities for extended projects throughout, which are intended to span a sequence of lessons and give students the opportunity to use, apply and experience the mathematics they have learned in practical real-life situations or in a problem solving and reasoning context.

		Week	Hours	Book: Chapter: Topic	Topic break-down (sub-topics)	Learning Objectives: Students will be able to:
Year 7	Term 1	1–2	7	1.1:1:Using numbers 1.2:1: Using numbers	1.1 The Calendar	• read and use calendars
					1.2 The 12-hour and 24-hour clocks	• read and use 12-hour and 24-hour clocks • convert between 12-hour and 24-hour systems
					1.3 Managing money	• work out everyday money problems
					1.1 Timetables, charts and money	• carry out calculations from information given in tables and charts
					1.4 Positive and negative numbers	• use a number line to order positive and negative whole numbers • solve problems involving negative temperatures
					1.5 Adding negative numbers	• carry out additions and subtractions involving negative numbers • use a number line to calculate with negative numbers
					1.6 Subtracting negative numbers	• carry out subtractions involving negative numbers
		3–4	7	1.1:2: Sequences 1.2:2: Sequences	2.1 Function machines	• use function machines to generate inputs and outputs
					2.2 Sequences and rules	• recognise, describe and write down sequences that are based on a simple rule
					2.3 Finding terms in patterns	• find missing terms in a sequence
					2.4 The square numbers	• introduce the sequence of square numbers
					2.5 The triangular numbers	• introduce the sequence of triangular numbers
					2.4 Other sequences	• know and understand square and triangular number sequences

		5–6	7	1.1:3: Perimeter and area 1.2:3: Perimeter, area and volume	3.1 Length and perimeter	• measure and draw lines accurately • work out the perimeter of a shape
					3.2 Area	• work out the area of a shape by counting squares
					3.1 Perimeter and area	• work out the perimeter and area of 2D shapes
					3.3 Perimeter and area of rectangles 3.2 Perimeter and area of rectangles	• work out the perimeter of a rectangle • work out the area of a rectangle • use a simple formula to calculate the area and perimeter of a rectangle
					3.3 Perimeter and area of compound shapes	• work out the perimeter and area of compound shapes
					3.4 Volume of cubes and cuboids	• work out the volume of a cube or cuboid using a simple formula • work out the capacity of a cube or cuboid
		7	3	Extended project opportunity / revision		
		7	1	Assessment		
		8		HALF TERM		
		9–10	7	1.1:4: Decimal numbers 1.2:4: Decimal numbers	4.1 Multiplying and dividing by 10, 100 and 1000	• multiply and divide decimal numbers by10, 100 and 1000
					4.2 Ordering decimals	• order decimal numbers according to size
					4.3 Estimates	• estimate calculations in order to spot possible errors
					4.4 Adding and subtracting decimals	• add and subtract decimal numbers
					4.5 Multiplying and dividing decimals	• be able to multiply and divide decimal numbers by any whole number
		11–12	7	1.1:5: Working with numbers 1.2:5: Working with numbers	5.1 Square numbers	• recognise and use square numbers up to 225 (15^2)
					5.1 Square numbers and square roots	• recognise and use square roots up to $\sqrt{225}$
					5.2 Rounding	• round numbers to the nearest whole number 10, 100 or 1000
					5.3 Order of operations	• use the conventions of BIDMAS to carry out calculations
					5.4 Long and short multiplication	• choose a written method for multiplying two numbers together • use written methods to carry out multiplications accurately
					5.5 Long and short division	• choose a written method for dividing one number by another • use written methods to carry out divisions accurately
					5.6 Calculations with measurements	• convert between common metric units • use measurements in calculations • recognise and use appropriate metric units
		13 - 14	7	1.1:6: Statistics 1.2:6: Statistics	6.1 Mode, median and range	• understand the meaning of mode, median and range
					6.2 The Mean	• understand and calculate the mean average of data
					6.2 Reading data from tables and charts	• read data from tables and charts
					6.3 Using a tally chart	• create and use a tally chart
					6.3 Statistical diagrams	• be able to read and interpret different statistical diagrams

					6.4 Using data 6.4 Collecting and using data	• understand how to use (and collect) data
					6..5 Grouped frequency	• understand and use grouped frequency
					6.6 Data collection	• gain a greater understanding of data collection
		15	3	Assessment and review		
		16–17		CHRISTMAS HOLIDAY		
	Term 2	18–19	7	1.1:7: Algebra 1.2:7: Algebra	7.1 Expressions and substitution	• use algebra to write simple expressions • substitute numbers into expressions to work out their value
					7.2 Simplifying expressions	• learn the rules for simplifying expressions
					7.3 Using formulae	• use formulae
					7.4 Writing formulae	• write formulae
		20–21	7	1.1:8: Fractions 1.2:8: Fractions	8.1 Equivalent fractions	• find simple equivalent fractions • write fractions in their simplest form
					8.2 Comparing fractions	• compare and order two fractions
					8.3 Adding and subtracting fractions	• add and subtract fractions with the same denominator • The add and subtract fractions with different denominators
					8.4 Mixed numbers and improper fractions	• convert between mixed numbers and improper fractions
					8.5 Calculations with mixed numbers	• add and subtract simple mixed numbers with the same denominator • add and subtract simple mixed numbers with different denominators
		22–23	6	1.1:9: Angles 1.2:9: Angles	9.1 Using the compass to give directions	• use a compass to give directions
					9.2 Measuring angles	• know the different types of angles • use a protractor to measure an angle
					9.3 Drawing angles	• use a protractor to draw an angle
					9.4 Calculating angles	• calculate angles at a point • calculate angles on a straight line • calculate opposite angles
					9.3 Angles in a triangle	• know that the sum of the angles in a triangle is 180°
					9.4 Angles in a quadrilateral	• know that the sum of the angles in a quadrilateral is 360°
					9.5 Properties of triangles and quadrilaterals	• understand the properties of parallel, intersecting and perpendicular lines • understand and use the properties of a triangle • understand and use the properties of quadrilaterals
		23	1	Assessment		
		24		HALF TERM		
		25–26	7	1.1:10: Coordinates and graphs 1.2:10: Coordinates and graphs	10.1 Coordinates	• understand and use coordinates to locate points.
					10.2 From mappings to graphs	• work out coordinates from a rule • draw a graph for a simple rule
					10.3 Naming graphs	• recognise and draw line graphs of fixed values
					10.2 Graphs from relationships	• draw a graph for a simple relationship
					10.3 Graphs for fixed values of *x* and *y*	• recognise and draw line graphs with fixed values of *x* and *y*

					10.4 Graphs of the form $y = ax$	• recognise and draw lines of the form $y = ax$
					10.5 Graphs of the form $x + y = a$	• recognise and draw graphs of the form $x + y = a$
					10.4 Graphs from the real world	• learn how graphs can be used to represent real-life situations • draw and use real-life graphs
		27–28	7	1.1:11: Percentages 1.2:11: Percentages	11.1 Fractions and percentages	• understand what a percentage is • understand the equivalence between some simple fractions and percentages
					11.2 Fractions of a quantity	• find a fraction of a quantity
					11.3 Percentages of a quantity	• find a percentage of a quantity
					11.4 Percentages with a calculator	• write a percentage as a decimal • use a calculator to find a percentage of a quantity
					11.5 Percentage increases and decreases	• work out the result of a simple percentage change
		29–30	5	1.1:12: Probability 1.2:12: Probability	12.1 Probability words	• learn and use words about probability
					12.2 Probability scales	• know and use the 0 – 1 probability scale • work out probabilities based on equally likely outcomes
					12.3 Experimental probability	• learn about and understand experimental probability • understand the difference between theoretical and experimental probability
		30	2	Assessment and review		
		31–32		EASTER HOLIDAY		
	Term 3	33–34	7	1.1:13: Symmetry 1.2:13: Symmetry	13.1 Line symmetry	• recognise shapes that have reflective symmetry • draw lines of symmetry on a shape
					13.2 Rotational symmetry	• recognise shapes that have rotational symmetry • find the order of rotational symmetry for a shape
					13.3 Reflections	• understand how to reflect a shape • use a coordinate grid to reflect shapes
					13.4 Tessellations	• understand how to tessellate shapes
		35–36	5	1.1:14: Equations 1.2:14: Equations	14.1 Finding unknown numbers	• find missing numbers in simple calculations
					14.2 Solving equations	• understand what an equation is • solve equations involving one operation
					14.3 Solving more complex equations	• solve equations involving two operations
					14.4 Setting up and solving equations	• use algebra to set up and solve equations
		36–37	5	1.1:15 Interpreting data 1.2:15 interpreting data	15.1 Pie charts	• read data from pie charts, where the data is given in simple sectors • use a scaling method to draw a pie chart
					15.2 Comparing data by median and the range	• use the median and range to compare data • make sensible decisions by comparing the median and range of two sets of data

					15.2 Comparing mean and range	• use the mean and range to compare data • make sensible decisions by comparing the mean and range of two sets of data
					15.3 Statistical surveys	• use charts and diagrams to interpret data.
		37	1	Assessment		
		38		HALF TERM		
		39–40	7	1.1:16 3D Shapes 1.2:16 3D Shapes	16.1 3D shapes and nets	• know how to count the faces, edges and vertices on a 2D shape • draw nets for 3D shapes
					16.1 Naming and drawing 3D shapes	• be familiar with the names of 3D shapes and their properties • use isometric paper to draw shapes made from cubes
					16.2 Using nets to construct 3D shapes	• construct 3D shapes from nets.
					16.3 3D investigations	• work out the rule connecting faces, edges and vertices in 3D shapes (Euler)
		41–42	7	1.1:17 Ratio 1.2:17 Ratio	17.1 Introduction to ratios	• introduce ratio notation • use ratios to compare quantities
					17.2 Simplifying ratios	• write a ratio as simply as possible
					17.3 Ratios and sharing	• use ratios to find missing quantities
					17.4 Ratios and fractions	• understand the connection between ratios and fractions
		43–44	7	Extended project opportunity / revision		
		45	4	Assessment, revision and review		
		END OF YEAR 7 / SUMMER HOLIDAY				
Year 8	Term 1	1–2	7	2.1:1: Working with numbers 2.2:1: Working with numbers	1.1 Adding and subtracting with negative numbers	• carry out additions and subtractions involving negative numbers
					1.2 Multiplying and dividing negative numbers	• carry out multiplications and divisions involving negative numbers
					1.3 Factors and highest common factors (HCF)	• understand and use highest common factors
					1.4 Multiples and lowest common multiple (LCM)	• understand and use lowest common multiples
					1.5 Squares, cubes and roots	• understand and use squares and square roots • understand and use cubes and cube roots
					1.4 Powers and roots	• understand and use powers and roots
					1.6 Prime factors	• know what prime numbers are • identify the prime factors of a number
		3–4	7	2.1:2: Geometry 2.2:2: Geometry	2.1 Parallel and perpendicular lines	• identify parallel lines • identify perpendicular lines
					2.1 Angles in parallel lines	• calculate angles in parallel lines
					2.2 Angles in triangles and quadrilaterals	• know that the sum of the angles in a triangle is 180° • know that the sum of the angles in a quadrilateral is 360°
					2.2 The geometric properties of quadrilaterals	• know the geometric properties of quadrilaterals
					2.3 Translations	• know how translate a point or shape

					2.4 Rotations	• know how rotate a shape
					2.5 Constructions	• construct the mid-point and perpendicular bisector of a line • construct an angle bisector
		5–6	7	2.1:3: Probability 2.2:3: Probability	3.1 Probability scales	• use a probability scale represent a chance
					3.2 Collecting data on a frequency table	• collect data and use it find probabilities • decide if an event is fair or biased
					3.2 Mutually exclusive events	• recognise mutually exclusive events
					3.3 Mixed events	• recognise mixed events where you can distinguish different probabilities
					3.3 Using a sample space calculate probabilities	• use a sample space calculate probabilities
					3.4 Experimental probability 3.5 Experimental probability	• calculate probabilities from experiments
		7	3	Extended project opportunity / revision		
		7	1	Assessment		
		8		HALF TERM		
		9–10	7	2.1:4: Percentages 2.2:4: Percentages	4.1 Calculating percentages	• write one percentage as a percentage of another
					4.2 Calculating the result of a percentage change 4.2 Calculating percentage increases and decreases	• calculate the result of a percentage increase or decrease • use a multiplier calculate a percentage change
					4.3 Calculating a percentage change	• work out a change in value as a percentage increase or decrease.
		11–12	7	2.1:5: Sequences 2.2:5: Sequences	5.1 The Fibonacci sequence 5.4 The Fibonacci sequence	• know and understand the Fibonacci sequence
					5.2 Algebra and function machines	• use algebra with function machines
					5.3 The *n*th term of a sequence	• use the *n*th term of a sequence
					5.3 Working out the *n*th term of a sequence	• work out the *n*th term of a sequence
		13–14	7	2.1:6: Area 2.2:6: Area of 2D and 3D shapes	6.1 Area of a rectangle	• use a formula work out the area of a rectangle
					6.2 Areas of compound shapes	• work out the area of a compound shape
					6.3 Area of a triangle	• use a formula work out the area of a triangle
					6.4 Area of a parallelogram	• work out the area of a parallelogram
					6.3 Area of a trapezium	• work out the area of a trapezium
					6.4 Surface areas of cubes and cuboids	• find the surface areas of cubes and cuboids
		15	3	Assessment and review		
		16–17		CHRISTMAS HOLIDAY		

	H	18–19	7	2.1:7: Graphs 2.2:7: Graphs	7.1 Rules from coordinates	• recognise patterns with coordinates

					7.2 Graphs from rules	• draw graphs of linear rules
					7.1 Graphs from linear equations	• recognise and draw the graph of a linear equations
					7.2 Gradient (steepness) of a straight line	• work out the gradient in a graph from a linear equation • work out an equation of the form $y = mx + c$ from the graph
					7.3 Graphs from simple quadratic equations 7.3 Graphs from simple quadratic equations	• recognise and draw the graph from a simple quadratic equation
					7.4 Distance-time graphs	• read and draw distance-time graphs
					7.4 Real-life graphs	• draw graphs from real-life situations illustrate the relationship between two variables
		20–21	7	2.1:8: Simplifying numbers 2.2:8: Simplifying numbers	8.1 Powers of 10	• multiply and divide by 100 and 1000
					8.2 Large numbers and rounding	• round large numbers
					8.3 Significant figures	• round one significant figure
					8.4 Estimating answers	• use rounding estimate rough answers calculations
					8.5 Problem solving with decimals	• solve problems involving decimals
					8.4 Standard form with large numbers	• write a large number in standard form
					8.5 Multiplying with numbers in standard form	• multiply with numbers in standard form
		22–23	6	2.1:9: Interpreting data 2.2:9: Interpreting data	9.1 Information from charts	• revise reading from charts and tables
					9.2 Reading pie charts	• interpret a pie chart
					9.3 Creating pie charts	• use a scaling method draw pie charts
					9.3 Scatter graphs and correlation	• read scatter graphs • understand correlations
					9.4 Creating scatter graphs	• create scatter graphs
		23	1	Assessment		
		24		HALF TERM		
		25–27	10	2.1:10: Algebra 2.2:10: Algebra	10.1 Algebraic notation	• simplify algebraic expressions involving the four basic operations
					10.2 Like terms	• simplify algebraic expression by combining like terms
					10.3 Expanding brackets	• remove brackets from an expression
					10.4 Using algebra 10.4 Using algebraic expressions	• use algebraic expressions in different contexts • manipulate algebraic expressions • identify equivalent expressions
					10.5 Using powers 10.5 Using index notation	• write algebraic expressions involving powers
		28–29	7	2.1:11: Congruence and scaling 2.2:11: Congruence and scaling	11.1 Congruent shapes	• recognise congruent shapes
					11.2 Shape and ratio	• use ratio compare lengths and areas of 2D shapes
					11.2 Enlargements	• enlarge a 2D shape by a scale factor

					11.3 Scale diagrams 11.4 Scales	• understand and use scale diagrams • know how use map ratios
		30	3	Revision		
		30	1	Assessment and review		
		31–32		EASTER HOLIDAY		
	Term 3	33–35	9	2.1:12: Fractions and decimals 2.2:12: Fractions and decimals	12.1 Adding and subtracting fractions	• add and subtract fractions and mixed numbers
					12.2 Multiplying fractions and integers	• multiply by a fraction or a mixed number by an integer
					12.3 Dividing with integers and fractions	• divide a unit fraction by an integer • divide an integer by a unit fraction
					12.4 Multiplication with powers of ten 12.4 Multiplication with large and small numbers	• multiply by a power of ten • multiply with combinations of large and small numbers mentally
					12.5 Division with powers of ten 12.5 Division with large and small numbers	• mentally divide by a power of ten • divide combinations of large and small numbers mentally
		35–36	4	2.1:13: Proportion 2.2:13: Proportion	13.1 Direct proportion	• understand the meaning of direct proportion • find missing values in problems involving proportion
					13.2 Graphs and direct proportion	• represent direct proportion graphically and algebraically
					13.3 Inverse proportion	• understand what is meant by inverse proportion • solve problems using inverse proportion
					13.4 Comparing direct proportion and inverse proportion	• recognise direct and inverse proportion and work out missing values
		37	4	2.1:14: Circles 2.2:14: Circles	14.1 The circle and its parts	• know the definition of a circle and the names of its parts
					14.2 Circumference of a circle	• work out the relationship between the circumference and the diameter of a circle
					14.3 A formula work out the approximate circumference of a circle 14.3 Formula for the circumference of a circle	• use a formula calculate the circumference of a circle
					14.4 Formula for the area of a circle	• use a formula calculate the area of a circle
		37	1	Assessment		
		38		HALF TERM		
		39–40	7	2.1:15: Equations and formulae 2.2:15: Equations and formulae	15.1 Equations	• solve simple equations
					15.2 Equations with brackets	• solve equations that include brackets
					15.2 Equations with the variable on both sides	• solve equations with the variable on both sides
					15.3 More complex equations	• solve equations involving two operations
					15.4 Substituting informulae	• substitute values ina variety of formulae
					15.4 Rearranging formulae	• change the subject of a formula

		41–42	7	2.1: 16: Comparing data 2.2:16: Comparing data	16.1 Frequency tables	• create a frequency table from raw data
					16.2 The mean	• understand and use the mean average of data
					16.1 Grouped frequency tables	• create a grouped frequency table from raw data
					16.3 Drawing frequency diagrams	• be able draw a diagram from a frequency table
					16.4 Comparing data	• use the mean and range compare data from two sources
					16.5 Which average use?	• understand when each different type of average is most useful
		43–44	7	Extended project opportunity / revision		
		45	4	Assessment, revision and review		
		END OF YEAR 8 / SUMMER HOLIDAY				
Year 9	Term 1	1–2	7	3.1:1: Percentages 3.2:1: Percentages	1.1 Simple interest	• understand what simple interest is • solve problems involving simple interest
					1.2 Percentage increases and decreases	• calculate the result of a percentage increase or decrease • choose the most appropriate method calculate percentage change
					1.3 Calculating the original value	• Given the result of a percentage change, calculate the original value
					1.4 Using percentages	• make links between fractions, decimals and percentages • choose the correct calculation work out a percentage
		3–4	7	3.1:2: Equations and formulae 3.2:2: Equations and formulae	2.1 Multiplying out brackets	• multiply out brackets
					2.2 Factorising algebraic expressions	• factorise expressions
					2.3 Equations with brackets	• solve equations with one or more sets of brackets
					2.4 Equations with fractions	• solve equations with fractions
					2.5 Rearranging formulae	• change the subject of a formula
		5–6	5	3.1:3: Polygons 3.2:3: Polygons	3.1 Polygons	• know the names of polygons • know the difference between an irregular and a regular polygon
					3.2 Angles in polygons	• work out the sizes of the interior angles of regular polygons
					3.2 Constructions	• make accurate geometric constructions
					3.3 Angles in regular polygons	• work out the exterior and interior angles of a regular polygon
					3.4 Regular polygons and tessellations	• work out which regular polygons tessellate
		6–7	5	3.1:4: Using data 3.2:4: Using data	4.1 Scatter graphs and correlation	• infer a correlation from two related scatter graphs
					4.2 Interpreting graphs and diagrams	• use and interpret a variety of graphs and diagrams
					4.2 Time-series graphs	• use and interpret a variety of time-series graphs
					4.3 Two-way tables	• interpret a variety of two-way tables
					4.4 Comparing two or more sets of data	• compare two sets of data from statistical diagrams
					4.5 Statistical investigations	• plan a statistical investigation
		7	1	Assessment		

		8	HALF TERM			
		9–10	6	3.1:5: Circles	5.1 The formula for the circumference of a circle	• calculate the circumference of a circle
					5.2 The formula for the area of a circle	• calculate the area of a circle
					5.3 Mixed problems	• solve problems involving the circumference and area of a circle
		10–11	5	3.2:5: Applications of graphs	5.1 Step graphs	• interpret step graphs
					5.2 Time graphs	• interpret and draw time graphs
					5.3 Exponential growth graphs	• interpret and draw exponential growth graphs
		12–13	7	3.2:6: Pythagoras' theorem	6.1 Introducing Pythagoras' theorem	• understand Pythagoras' theorem
					6.2 Calculating the length of the hypotenuse	• calculate the length of the hypotenuse in a right-angled triangle
					6.3 Calculating the length of a shorter side	• calculate the length of a shorter side in a right-angled triangle • show that a triangle is right-angled
					6.4 Using Pythagoras' theorem solve problems	• use Pythagoras' theorem solve problems
		14	3	3.1: 6: Enlargements	6.1 Scale factors and enlargements	• use a scale factor show an enlargement
					6.2 The centre of enlargement	• enlarge a shape around a centre of enlargement
					6.3 Enlargements on grids	• enlarge a shape on a coordinate grid
		15	3	Assessment and review		
		16–17		CHRISTMAS HOLIDAY		
	Term 2	18–19	7	3.1:7 Fractions 3.2:7 Fractions	7.1 Adding and subtracting fractions	• add or subtract any two fractions
					7.2 Multiplying fractions	• multiply two fractions
					7.3 Multiplying mixed numbers	• multiply one mixed number by another
					7.3 Dividing fractions 7.4 Dividing fractions and mixed numbers	• divide one fraction or mixed number by another
		20–21	7	3.1:8: Algebra 3.2:8: Algebra	8.1 Expanding brackets 8.1 More about brackets	• multiply out brackets with a variable or constant outside them
					8.2 Factorising algebraic expressions 8.2 Factorising expressions containing powers	• factorise expressions • take out a variable as a factor
					8.3 Expand and simplify 8.3 Expanding the product of two brackets	• expand expressions with two brackets and simplify them
		22–23	6	3.1:9: Decimal numbers 3.2:9: Decimal numbers	9.1 Multiplication of decimals	• multiply decimal numbers
					9.2 Powers of ten	• understand and work with both positive and negative powers of ten
					9.2 Standard form	• understand and work with standard form, using both positive and negative powers of ten

					9.3 Rounding suitably 9.3 Rounding appropriately	• round numbers a suitable or appropriate degree of accuracy
					9.4 Dividing decimals	• divide with decimals
					9.4 Mental calculations	• learn and understand some routines that can be used when calculating mentally
					9.5 Solving problems	• solve real-life problems involving multiplication or division
		23	1	Assessment		
		24		HALF TERM		
		25–26	7	3.1:10: Surface area and volume of 3D shapes	10.1 Surface areas of cubes and cuboids	• work out the surface areas of cubes or cuboids
					10.2 Volume formulae for cubes and cuboids	• use a simple formula work out the volume of a cube or cuboid
					10.3 Volumes of triangular prisms	• work out the volume of a triangular prism
		27–28	6	3.2:10: Prisms and cylinders	10.1 Metric units for area and volume	• convert from one metric unit another
					10.2 Volume of a prism	• calculate the volume of a prism
					10.3 Surface area of a prism	• calculate the surface area of a prism
					10.4 Volume of a cylinder	• calculate the volume of a cylinder
					10.5 Surface area of a cylinder	• calculate the curved surface area of a cylinder • calculate the total surface area of a cylinder
		28–30	6	3.1:11: Solving equations graphically 3.2:11: Solving equations graphically	11.1 Graphs from equations in the form $y = mx + c$	• draw a linear graph from any linear equation • solve a linear equation from a graph
					11.2 Problems involving straight-line graphs	• draw graphs solve some problems
					11.1 Graphs from equations in the form $ay \pm bx = c$	• draw any linear graph from any linear equation • solve a linear equation from a graph
					11.2 Graphs from quadratic equations	• draw graphs from quadratic equations
					11.3 Solving simple quadratic equations by drawing graphs 11.3 Solving quadratic equations by drawing graphs	• solve a quadratic equation by drawing a graph
					11.4 Problems involving quadratic graphs	• solve problems that use quadratic graphs
					11.4 Solving simultaneous equations by graphs	• solve a pair of simultaneous equations graphically
		30	2	Assessment and review		
		31–32		EASTER HOLIDAY		
	Term 3	33–34	7	3.1:12 Distance, speed and time	12.1 Distance	• work out the distance travelled in a certain time at a given speed • use and interpret distance-time graphs
					12.2 Speed	• work out the speed of an object, given the distance travelled and the time taken

					12.3 Time	• work out the time an object will take on its journey, given its speed and the distance travelled
		35–36	5	3.2:12: Compound units	12.1 Speed	• understand and use measures of speed
					12.2 More about proportion	• understand and use density and other compound measures
					12.3 Unit costs	• understand and use unit pricing
		36–37	5	3.1:13: Similar triangles	13.1 Similar triangles	• understand what similar triangles are
					13.2 A summary of similar triangles	• use and recall facts about similar triangles
					13.3 Using triangles solve problems	• know that triangles can be used solve some real-life problems
		37	1	Assessment		
		38		HALF TERM		
		39–40	7	3.2:13 Right-angled triangles	13.1 Introducing trigonometric ratios	• understand what trigonometric ratios are
					13.2 How find trigonometric ratios of angles	• understand what the trigonometric ratios sine, cosine and tangent are
					13.3 Using trigonometric ratios find angles	• find the angle identified from a trigonometric ratio
					13.4 Using trigonometric ratios find lengths	• find an unknown length of a right-angled triangle, give one side and another angle
		41–42	7	3.1:14: Revision and GCSE preparation 3.2:14: Revision and GCSE preparation	Practice	• practise topics covered in this course
					Revision	• revise topics covered in this course
					GCSE-type questions	• be introduced the GCSE course
		43–44	7	Extended project		
		45	4	Assessment, revision and review		
		END OF YEAR 9 / SUMMER HOLIDAY				
Year 10	Term 1	1–3	10	F:1: Number: Basic Number	1.1 Place value and ordering numbers	• use a number line represent negative numbers • use inequalities with negative numbers • compare and order positive and negative numbers
					1.2 Order of operations and BIDMAS	• work out the answers problems with more than one mathematical operation
					1.3 The four rules	• use the four rules of arithmetic with integers and decimals
		4–6	10	F:2: Geometry and measures: Measures and scale drawings	2.1 Systems of measurement	• convert from one metric unit another • convert from one imperial unit another
					2.2 Conversion factors	• use approximate conversion factors change between imperial units and metric units
					2.3 Scale drawings	• read and draw scale drawings • use a scale drawing make estimates
					2.4 Nets	• draw nets of some 3D shapes • identify a 3D shape from its net

					2.5 Using an isometric grid	• read from and draw on isometric grids • interpret diagrams draw plans and elevations
		7	3	F:3: Statistics: Charts, tables and averages	3.1 Frequency tables	• use tally charts and frequency tables collect and represent data • use grouped frequency tables collect and represent data
					3.2 Statistical diagrams	• draw pictograms represent statistical data • draw bar charts and vertical line charts represent statistical data
		8		HALF TERM		
		9	4	F:3: Statistics: Charts, tables and averages	3.3 Line graphs	• draw a line graph show trends in data
					3.4 Statistical averages	• work out the mode, median, mean and range of small sets of data • decide which is the best average use represent a data set
		10–12	10	F:4:Geometry and measures: Angles	4.1 Angles facts	• calculate angles on a straight line • calculate angles around a point • use vertically opposite angles
					4.2 Triangles	• recognise and calculate the angles in different sorts of triangle
					4.3 Angles in a polygon	• calculate the sum of the interior angles in a polygon
					4.4 Regular polygons	• calculate the exterior angles and the interior angles of a regular polygon
					4.5 Angles in parallel lines	• calculate angles in parallel lines
					4.6 Special quadrilaterals	• use angle properties in quadrilaterals
					4.7 Bearings	• use a bearing specify a direction
		13–15	10	F:5: Number: Number properties	5.1 Multiples of whole numbers	• find multiples of whole numbers • recognise multiples of numbers
					5.2 Factors of whole numbers	• identify the factors of a number
					5.3 Prime numbers	• identify prime numbers
					5.4 Prime factors, LCM and HCF	• identify prime factors • identify the lowest common multiple (LCM) of two numbers • identify the highest common factor (HCF) of two numbers
					5.5 Square numbers	• identify square numbers • use a calculator find the square of a number
					5.6 Square roots	• recognise the square roots of square numbers up 225 • use a calculator find the square roots of any number
					5.7 Basic calculations on a calculator	• use some of the important keys when working on a calculator
		16–17		CHRISTMAS HOLIDAY		
	Term 2	18–19	7	F:6: Number: Approximations	6.1 Rounding whole numbers	• round a whole number
					6.2 Rounding decimals	• round decimal numbers a given accuracy
					6.3 Approximating calculations	• identify significant figures • round numbers a given number of significant figures • use approximation estimate answers and check calculations

						• round a calculation at the end of a problem, give what is considered be a sensible answer
		20–21	7	F:7: Number: Decimals and fractions	7.1 Calculating with decimals	• multiply and divide with decimals
					7.2 Fractions and reciprocals	• recognise different types of fraction, reciprocal, terminating decimal and recurring decimal • convert terminating decimals fractions • convert fractions decimals • find reciprocals of numbers or fractions
					7.3 Writing one quantity as a fraction of another	• work out a fraction of a quantity • find one quantity as a fraction of another
					7.4 Adding and subtracting fractions	• add and subtract fractions with different denominators
					7.5 Multiplying and dividing fractions	• multiply proper fractions • multiply mixed numbers • divide by fractions
					7.6 Fractions on a calculator	• use a calculator add and subtract fractions • use a calculator multiply and divide fractions
		22–23	7	F:8: Algebra: Linear graphs	8.1 Graphs and equations	• use flow diagrams draw graphs • work out the equations of horizontal and vertical lines
					8.2 Drawing linear graphs by finding points	• draw linear graphs without using flow diagrams
					8.3 Gradient of a line	• work out the gradient of a straight line • draw a line with a certain gradient
					8.4 $y = mx + c$	• draw graphs using the gradient-intercept method • draw graphs using the cover-up method
					8.5 Finding the equation of a line from its graph	• work out the equation of a line, using its gradient and y-intercept • work out the equation of a line given two points on the line
					8.6 The equation of a parallel line	• work out the equation of a linear graph that is parallel another line and passes through a specific point
		24		HALF TERM		
		25	4	F:8: Algebra: Linear graphs	8.7 Real-life uses of graphs	• convert from one unit another unit by using a conversion graph • use straight-line graphs work out formulae
					8.8 Solving simultaneous equations using graphs	• solve simultaneous linear equations using graphs
		26–28	10	F:9: Algebra: Expressions and formulae	9.1 Basic algebra	• write an algebraic expression • recognise expressions, equations, formulae and identities
					9.2 Substitution	• substitute into, simplify and use algebraic expressions
					9.3 Expanding brackets	• expand brackets such as $2(x–3)$ • expand and simplify brackets
					9.4 Factorisation	• factorise an algebraic expression

					9.5 Quadratic expansion	• expand two linear brackets obtain a quadratic expression
					9.6 Quadratic factorisation	• factorise a quadratic expression of the form $x^2 + ax + b$ intwo linear brackets
					9.7 Changing the subject of a formula	• change the subject of a formula
		29–30	7	F:10: Ratio and proportion and rates of change: Ratio, speed and proportion	10.1 Ratio	• simplify a ratio • express a ratio as a fraction • divide amounts ingiven ratios • complete calculations from a given ratio and partial information
					10.2 Speed, distance and time	• recognise the relationship between speed, distance and time • calculate average speed from distance and time • calculate distance travelled from the speed and the time taken • calculate the time taken on a journey from the speed and the distance
					10.3 Direct proportion problems	• recognise and solve problems that involve direct proportion
					10.4 Best buys	• find the cost per unit mass • find the mass per unit cost • use the above find which product is better value.
		31–32		EASTER HOLIDAY		
	Term 3	33–34	7	F:11: Geometry and measures: Perimeter and area	11.1 Rectangles	• calculate the perimeter and area of a rectangle
					11.2 Compound shapes	• calculate the perimeter and area of a compound shape made from rectangles
					11.3 Area of a triangle	• calculate the area of a triangle • use the formula for the area of a triangle
					11.4 Area of a parallelogram	• calculate the area of a parallelogram • use the formula for the area of a parallelogram
					11.5 Area of a trapezium	• calculate the area of a trapezium • use the formula for the area of a trapezium
					11.6 Circles	• recognise terms used for circle work calculate the circumference of a circle
					11.7 The area of a circle	• calculate the area of a circle
					11.8 Answers in terms of π	• give answers for circle calculations in terms of ð
		35–36	7	F:12:Geometry and measures: Transformations	12.1 Rotational symmetry	• work out the order of rotational symmetry for a 2D shape • recognise shapes with rotational symmetry
					12.2 Translation	• translate a 2D shape
					12.3 Reflections	• reflect a 2D shape in a mirror line
					12.4 Rotations	• rotate a 2D shape about a point
					12.5 Enlargements	• enlarge a 2D shape by a scale factor
					12.6 Using more than one transformation	• use more than one transformation
					12.7 Vectors	• represent vectors • add and subtract vectors

		37	3	F:13: Probability: Probability and events	13.1 Calculating probabilities	• use the probability scale and the language of probability • calculate the probability of an outcome of an event
					13.2 Probability that an outcome will not happen	• calculate the probability of an outcome not happening when you know the probability of that outcome happening
					13.3 Mutually exclusive and exhaustive outcomes	• recognise mutually exclusive and exhaustive outcomes
		38		HALF TERM		
		39	4	F:13: Probability: Probability and events	13.4 Experimental probability	• calculate experimental probabilities and relative frequencies from experiments • recognise different methods for estimating probabilities
					13.5 Expectation	• predict the likely number of successful outcomes, given the number of trials and the probability of any one outcome
					13.6 Choices and outcomes	• apply systematic listing and counting strategies identify all outcomes for a variety of problems
		40	3	F:14:Geometry and measures: Volumes and surface areas of prisms	14.1 3D shapes	• use the correct terms when working with 3D shapes
					14.2 Volume and surface area of a cuboid	• calculate the surface area and volume of a cuboid
		41–42	7	Summer examinations and revision		
		43	4	F:14:Geometry and measures: Volumes and surface areas of prisms	14.3 Volume and surface area of a prism	• calculate the volume and surface area of a prism
					14.4 Volume and surface area of cylinders	• calculate the volume and surface area of a cylinder
		44–45	7	F:15: Algebra: Linear equations	15.1 Solving linear equations	• solve linear equations such as • $3x - 1 = 11$ where the variable only • appears on one side • use inverse operations and inverse flow diagrams • solve equations by balancing • solve equations in which the variable (the letter) appears in the numerator of a fraction
					15.2 Solving equations with brackets	• solve equations where you have first expand brackets
					15.3 Solving equations with the variable on both sides	• solve equations where the variable appears on both sides of the equals sign.
END OF YEAR 10 / SUMMER HOLIDAY						
Year 11	Term 1	1–2	7	F:16: Ratio and proportion and rates of change: Percentages and compound measures	16.1 Equivalent percentages, fractions and decimals	• convert percentages fractions and decimals and vice versa
					16.2 Calculating a percentage of a quantity	• calculate a percentage of a quantity
					16.3 Increasing and decreasing quantities by a percentage	• increase and decrease quantities by a percentage
					16.4 Expressing one quantity as a	• express one quantity as a percentage of another • work out percentage change

				percentage of another	
				16.5 Compound measures	• recognise and solve problems involving the compound measures of rates of pay, density and pressure
	3–4	7	F:17: Ratio and proportion and rates of change: Percentages and variation	17.1 Compound interest and repeated percentage change	• calculate simple interest • calculate compound interest • solve problems involving repeated percentage change
				17.2 Reverse percentage (working out the original value)	• calculate the original amount, given the final amount, after a known percentage increase or decrease
				17.3 Direct proportion	• solve problems in which two variables have a directly proportional relationship (direct variation) • work out the constant of proportionality • recognise graphs that show direct variation
				17.4 Inverse proportion	• solve problems in which two variables have an inversely proportional relationship (inverse variation) • work out the constant of proportionality
	5–7	10	F:18: Statistics: Representation and interpretation	18.1 Sampling	• obtain a random sample from a population • collect unbiased and reliable data for a sample
				18.2 Pie charts	• draw and interpret pie charts.
				18.3 Scatter diagrams	• draw, interpret and use scatter diagrams • draw and use a line of best fit
				18.4 grouped data and averages	• identify the modal group • calculate an estimate of the mean from a grouped table
	8	HALF TERM			
	9–10	7	F:19: Geometry and measures : Constructions and loci	19.1 Constructing triangles	• construct accurate drawings of triangles, using a pair of compasses, a protractor and a straight edge
				19.2 Bisectors	• construct the bisectors of lines and angles • construct angles of 60° and 90°
				19.3 Defining a locus	• draw a locus for a given rule
				19.4 Loci problems	• solve practical problems using loci
	11–12	7	F:20: Geometry and measures: Curved shapes and pyramids	20.1 Sectors	• calculate the length of an arc • calculate the area and angle of a sector
				20.2 Pyramids	• calculate the volume and surface area of a pyramid
				20.3 Cones	• calculate the volume and surface area of a cone
				20.4 Spheres	• calculate the volume and surface area of a sphere
	13	3	Revision and review		
	14–15	7	Mock Exams and Revision		
	16–17		CHRISTMAS HOLIDAY		

	Term 2	18–19	7	F:21: Algebra: Number and Sequences	21.1 Patterns in number	• recognise patterns in number sequences
					21.2 Number sequences	• recognise how number sequences are built up • generate sequences, given the nth term
					21.3 Finding the *n*th term of a linear sequence	• find the nth term of a linear sequence
					21.4 Special sequences	• recognise and continue some special number sequences • understand how prime, odd and even numbers interact in addition, subtraction and multiplication problems
					2.5 General rules from given patterns	• find the nth term from practical problems involving sequences.
		20–22	10	F:22: Geometry and measures: Right-angled triangles	22.1 Pythagoras' theorem	• know what Pythagoras' theorem is • calculate the length of the hypotenuse in a right-angled triangle
					22.2 Calculating the length of the shorter side	• calculate the length of a shorter side in a right-angled triangle
					22.3 Applying Pythagoras' theorem in real-life situations	• solve problems using Pythagoras' theorem
					22.4 Pythagoras' theorem and isosceles triangles	• use Pythagoras' theorem in isosceles triangles
					22.5 Trigonometric ratios	• define, understand and use the three trigonometric ratios
					22.6 Calculating lengths using trigonometry	• use trigonometric ratios calculate a length in a right-angled triangle
					22.7 Calculating angles using trigonometry	• use the trigonometric ratios calculate an angle
					22.8 Trigonometry without a calculator	• work out and remember trigonometric values for angles of 30°, 45°, 60° and 90°
					22.9 Solving problems using trigonometry	• solve practical problems using trigonometry • solve problems using an angle of elevation or an angle of depression
					22.10 Trigonometry and bearings	• solve bearing problems using trigonometry
					22.11 Trigonometry and isosceles triangles	• use trigonometry solve problems involving isosceles triangles
		23	HALF TERM			
		24–25	7	F:23: Geometry and measures: Congruency and similarity	23.1 Congruent triangles	• demonstrate that two triangles are congruent
					23.2 Similarity	• recognise similarity in any two shapes • show that two shapes are similar • work out the scale factor between similar shapes
		26–27	7	F:24: Probability: Combined events	24.1 Combined events	• work out the probabilities when two or more events occur at the same time
					24.2 Two-way tables	• read two-way tables and use them work out probabilities
					24.3 Probability and Venn diagrams	• use Venn diagrams solve probability questions

					24.2 Tree diagrams	• understand frequency tree diagrams and probability tree diagrams • use probability tree diagrams work out the probabilities involved in combined events
		28–29	7	F:25: Number: Powers and standard form	25.1 Powers (indices)	• write a number as a power of another number • use powers (also known as indices) • multiply and divide by powers of 10.
					25.2 Rules for multiplying and dividing powers	• use rules for multiplying and dividing powers • multiply and divide numbers by powers of 10.
		30–31	EASTER HOLIDAY			
	Term 3	32	4	F:25: Number: Powers and standard form	25.3 Standard form	• write a number in standard form • calculate with numbers in standard form
		33–35	11	F:26: Algebra: Simultaneous equations and linear inequalities	26.1 Elimination method for simultaneous equations	• solve simultaneous linear equations in two variables using the elimination method
					26.2 Substitution method for simultaneous equations	• solve simultaneous linear equations in two variables using the substitution method
					26.3 Balancing coefficients solve simultaneous equations	• solve simultaneous linear equations by balancing coefficients
					26.4 Using simultaneous equations solve problems	• solve problems using simultaneous linear equations
					26.5 Linear inequalities	• solve a simple linear inequality and represent it on a number line
		36–37	7	F:27: Algebra: Non-linear graphs	27.1 Distance-time graphs	• interpret distance–time graphs • draw a graph of the depth of liquid as a container is filled
					27.2 Plotting quadratic graphs	• draw and read values from quadratic graphs
					27.3 Solving quadratic equations by factorisation	• solve a quadratic equation by factorisation
					27.4 The significant points of a quadratic curve	• identify the significant points of a quadratic function graphically • identify the roots of a quadratic function by solving a quadratic equation • identify the turning point of a quadratic function
					27.5 Cubic and reciprocal graphs	• recognise and plot cubic and reciprocal graphs
		38	HALF-TERM HOLIDAY			
		39–40	Revision			
		41–42	June Examinations			
SUMMER HOLIDAY / END OF COURSE						