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### Set 1

	Autumn Term	Spring Term	Sum
	1.1 Charts and financial mathematics	7.1 Expressions and substitution	13.1 Line symmetry and rotation
	1.2 Positive and negative numbers	7.2 Simplifying expressions	13.2 Reflections
	1.3 Simple arithmetic with negative numbers	7.3 Using formulae	13.3 Rotations
	1.4 Subtracting negative numbers	7.4 Writing formulae	13.4 Tessellations
	1.5 Multiplying negative numbers	Problem solving –Winter sports	Activity – Landmark spotting
	Travelling in Asia and Eastern Europe (British Values)	8.1 Equivalent fractions	14.1 Finding unknown numbers
	2.1 Function machines	8.2 Comparing fractions	14.2 Solving equations
	2.2 Sequences and rules	8.3 Adding and subtracting fractions	14.3 Solving more complex equa
	2.3 Working out missing terms	8.4 Mixed numbers and improper fractions	14.4 Setting up and solving equ
	2.4 Working out the nth term	8.5 Calculations with mixed numbers	Challenge –Number puzzles
	2.5 Other sequences	Challenge – Fractional dissection	15.1 Pie charts
	Mathematical reasoning – Valencia Planetarium	9.1 Measuring and drawing angles	15.2 Comparing range and aver
	3.1 Perimeter and area of rectangles	9.2 Calculating angles	15.3 Statistical surveys (British V
	3.2 Perimeter and area of compound shapes	9.3 Corresponding and alternate angles	Challenge – Dancing competitio
	3.3 Area of some other 2D shapes	9.4 Angles in a triangle	16.1 Naming and drawing 3D sl
	3.4 Surface area and volume of cubes and cuboids	9.5 Angles in a quadrilateral	16.2 Using nets to construct 3D
	Problem solving – Design a bedroom	9.6 Properties of triangles and quadrilaterals	16.3 3D investigations
	4.1 Multiplying and dividing by 10, 100, 1000 and	Activity – Constructing triangles	Problem solving – Packing boxe
	10 000	10.1 Coordinates in four quadrants	17.1 Introduction to ratios
	4.2 Ordering decimals	10.2 Graphs from relationships	17.2 Simplifying ratios
	4.3 Estimates	10.3 Predicting graphs from relationships	17.3 Ratios and sharing
	4.4 Adding and subtracting decimals	10.4 Graphs of fixed values of x and y,	17.4 Solving problems
	4.5 Multiplying decimals	y = x and $y = -x$	Problem solving –Smoothie bar
	4.6 Dividing decimals	10.5 Graphs of the form $x + y = a$	Revision for end of year exam
	Financial skills – Shopping for leisure (British Values)	10.6 Graphs from the real world	
	5.1 Square numbers and square roots	Challenge – Global warming (British Values)	
	5.2 Rounding	11.1 Fractions, decimals and percentages	
	5.3 Order of operations	11.2 Fractions of a quantity	
	5.4 Multiplication problems without a calculator	11.3 Calculating simple percentages	
	5.5 Division problems without a calculator	11.4 Percentages with a calculator	
	5.6 Calculations with measurements	11.5 Percentage increases and decreases	
	Problem	Financial skills – Income tax (British Values)	
	solving –	12.1 Probability scales	
	What is your carbon footprint? (British Values)	12.2 Combined events	
	6.1 Mode, median and range	12.3 Experimental probability	
	6.2 The mean	Financial skills – School Easter Fayre (British Values)	
	6.3 Statistical diagrams		
	6.4 Collecting and using discrete data		
Ŋ	6.5 Collecting and using continuous data		
pic	6.6 Data collection		
To	Challenge – Schools sports day		
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U Z u		See National Curriculum Coverage Here	



## Summer Term

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irk spotting own numbers ions complex equations d solving equations er puzzles nge and averages of data veys (British Values) ng competition drawing 3D shapes construct 3D shapes ons Packing boxes o ratios atios aring ems

Assessment	Chapters 1-3 Test week before October half term Chapters 4-6 Week before Christmas holidays (or week before depending on events) Chapters 7- 9 week before February half term Chapters 10 to 12 week before Easter holidays Chapters 13-15 week before May half term End of year exam beginning of July. Chapters 1 to 17.
E/L	Pupils are expected to be regularly reviewing and revising topics covered, in preparation for the tests. As well as this, class teachers will be setting extended learning tasks that will need to be completed. These include exercises from text books, question sheets, mymaths tasks a Please check TEAMS for individual tasks set.

### Set 2

	Autumn Term	Spring Term	
	1.1 Timetables, charts and money	7.1 Expressions and substitution	13.1 Line symmetry
	1.2 Positive and negative numbers	7.2 Simplifying expressions	13.2 Rotational symm
	1.3 Adding negative numbers	7.3 Using formulae	13.3 Reflections
	1.4 Subtracting negative numbers	7.4 Writing formulae	13. 4 Tessellations
	Travelling in Asia and Eastern Europe (British Values)	Problem solving –Winter sports	Activity – Landmark
	2.1 Function machines	8.1 Equivalent fractions	14.1 Finding unknow
	2.2 Sequences and rules	8.2 Comparing fractions	14.2 Solving equation
	2.3 Working out missing terms	8.3 Adding and subtracting fractions	14.3 Solving more cor
	2.4 Other sequences	8.4 Mixed numbers and improper fractions	14.4 Setting up and so
	Mathematical reasoning – Valencia Planetarium	8.5 Adding and subtracting mixed numbers	Challenge –Number
	3.1 Perimeter and area	Fractional dissection	15.1 Pie charts
	3.2 Perimeter and area of rectangles	9.1 Measuring and drawing angles	15.2 Comparing mean
	3.3 Perimeter	9.2 Calculating angles	15.3 Statistical survey
	and area of	9.3 Angles in a triangle	Challenge – Dancing
	compound shapes	9.4 Angles in a quadrilateral	16.1 Naming and dra
	3.4 Volume of cubes and cuboids	9.5 Properties of triangles and quadrilaterals	16.2 Using nets to cor
	Problem solving – Design a bedroom	Activity – Constructing triangles	16.3 3D investigations
	4.1 Multiplying and dividing by 10, 100 and 1000	10.1 Coordinates	Problem solving – Pa
	4.2 Ordering decimals	10.2 Graphs from relationships	17.1 Introduction to r
	4.3 Estimates	10.3 Graphs for fixed values of x or y	17.2 Simplifying ratio
	4.4 Adding and subtracting decimals	10.4 Graphs of the form $y = ax$	17.3 Ratios and sharir
	4.5 Multiplying and dividing decimals	10.5 Graphs of the form $x + y = a$	17.4 Solving problems
	Financial skills – Shopping for leisure (British Values)	10.6 Graphs from the real world	Problem solving –Sm
	5.1 Square numbers and square roots	Challenge – Global warming (British Values)	Revision for end of ye
	5.2 Rounding	11.1 Fractions, decimals and percentages	
	5.3 Order of operations	11.2 Fractions of a quantity	
	5.4 Long and short multiplication	11.3 Percentages of a quantity	
	5.5 Long and short division	11.4 Percentages with a calculator	
	5.6 Calculations with measurements	11.5 Percentage increases and decreases	
	Problem	Financial skills – Income tax (British Values)	
ស	solving –	12.1 Probability words	
pic	What is your carbon footprint? (British Values)	12.2 Probability scales	
T	6.1 Mode, median and range	12.3 Experimental probability	



and revision for chapter/topic tests.

## Summer Term

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	6.2 The mean	Financial skills – School Easter Fayre (British Values)	
	6.3 Statistical diagrams		
	6.4 Collecting and using data		
	6.5 Grouped frequency		
	6.6 Data collection		
	Challenge – Schools sports day		
<u>ں</u>	See National Curriculum Coverage Here		
ŬZU			
Assessment	Chapters 1-3 Test week before October half term Chapters 4-6 Week before Christmas holidays (or week before depending Chapters 7 to 9 week before February half term Chapters 10 to 12 week before Easter holidays Chapters 13 to 15 week before May half term End of Year exam beginning of July. Chapters 1 to 17.	on events)	
E/L	Pupils are expected to be regularly reviewing and revising topics covered, As well as this, class teachers will be setting extended learning tasks that v Please check TEAMS for individual tasks set.	in preparation for the tests. vill need to be completed. These include exercises from text books, question she	ets, mymaths tasks ar

### Set 3 & 4

	Autumn Term	Spring Term	Summer Terr
	1.1 The calendar	7.1 Expressions and substitution	13.1 Line symmetry
	1.2 The 12-hour and 24-hour clocks	7.2 Simplifying expressions	13.2 Rotational symm
	1.3 Managing money	7.3 Using formulae	13.3 Reflections
	1.4 Positive and negative numbers	7.4 Writing formulae	13. 4 Tessellations
	1.5 Adding negative numbers	Problem solving –Winter sports	Activity – Landmark
	1.6 Subtracting negative numbers	8.1 Equivalent fractions	14.1 Finding unknow
	Problem solving – Where in the UK?	8.2 Comparing fractions	14.2 Solving equation
	2.1 Function machines	8.3 Adding and subtracting fractions	14.3 Solving more co
	2.2 Sequences and rules	8.4 Mixed numbers and improper fractions	14.4 Setting up and s
	2.3 Finding terms in patterns	8.5 Calculations with mixed numbers	Challenge –Number
	2.4 The square numbers	Challenge – Fractional dissection	15.1 Pie charts
	2.5 The triangular numbers	9.1 Using the compass to give directions	15.2 Comparing data
	Mathematical reasoning – Valencia Planetarium	9.2 Measuring angles	15.3 Statistical survey
	3.1 Length and perimeter	9.3 Drawing angles	Challenge – Dancing
	3.2 Area	9.4 Calculating angles	16.1 3D shapes and n
	3.3 Perimeter	9.5 Properties of triangles and quadrilaterals	16.2 Using nets to con
	and area of	Investigation – Snooker tables	16.3 3D investigation
	rectangles	10.1 Coordinates and graphs	Problem solving – De
	Problem solving – Design a bedroom	10.2 From mappings to graphs	17.1 Introduction to r
	4.1 Multiplying and dividing by 10, 100 and 1000	10.3 Naming graphs	17.2 Simplifying ratio
S	4.2 Ordering decimals	10.4 Graphs from the real world	17.3 Ratios and sharing
pjdc	4.3 Estimates	Challenge – Global warming (British Values)	17.4 Ratios and fracti
Ţ	4.4 Adding and subtracting decimals	11.1 Fractions and percentages	Problem solving –Sm



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	4.5 Multiplying and dividing decimals	11.2 Fractions of a quantity	Revision for end of y
	Financial skills – Shopping for leisure (British Values)	11.3 Percentages of a quantity	
	5.1 Square numbers	11.4 Percentages with a calculator	
	5.2 Rounding	11.5 Percentage increases and decreases	
	5.3 Order of operations	Financial skills – Income tax (British Values)	
	5.4 Long and short multiplication	12.1 Probability words	
	5.5 Long and short division	12.2 Probability scales	
	5.6 Calculations with measurements	12.3 Experimental probability	
	Problem	Financial skills – School Easter Fayre (British Values)	
	solving – What is your carbon footprint? (British Values)		
	6.1 Mode, median and range		
	6.2 Reading data from tables and charts		
	6.3 Using a tally chart		
	6.Using data		
	6.5 Grouped frequency		
	6.6 Data collection		
	Challenge – Trains in Europe		
U	See National Curriculum Coverage Here		
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	Chapters 1-3 Test week before October half term		
	Chapters 4-6 Week before Christmas holidays (or week before depending	on events)	
ent	Chapters 7 to 9 week before February half term		
Ĕ	Chapters 10 to 12 week before Easter holidays		
es.	Chapters 13 to 15 week before May half term		
Ass	End of year exam beginning of July. Chapters 1 to 17.		
	Pupils are expected to be regularly reviewing and revising topics covered	in preparation for the tests.	
	As well as this, class teachers will be setting extended learning tasks that	will need to be completed. These include exercises from text books, question sh	eets, mymaths tasks a
_	Please check TEAMS for individual tasks set.	num need to be completion. These menute excretises from text books, question sh	
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### Useful Links for Year 7

Collins Connect | Digital resources for schools

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year test



and revision for chapter/topic tests.

#### KS3 Maths-Year 8

#### Set 1

	Autumn Term	Spring Term	Summ
	1.1 Multiplying and dividing negative numbers	7.1 Graphs from linear equations	12.1 Adding ar
	1.2 Factors and highest common factor (HCF)	7.2 Gradient (steepness) of a straight line	12.2 Multiplyir
	1.3 Multiples and lowest common multiple (LCM)	7.3 Graphs from quadratic equations	12.3 Dividing v
	1.4 Powers and roots	7.4 Real-life graphs	12.4 Multiplica
	1.5 Prime factors	Challenge – The M25	12.5
	Challenge –Blackpool Tower	8.1 Powers of 10	Division with l
	2.1 Parallel lines	8.2 Significant figures	Challenge –Gu
	2.2 The geometric properties of quadrilaterals	8.3 Standard form with large numbers	13.1 Direct pro
	2.3 Translations	8.4 Multiplying with numbers in standard form	13.2 Graphs an
	2.4 Enlargements	Challenge – Space – to see where no one has seen before	13.3 Inverse pr
	2.5 Constructions	Chapters 6–8 assessment on Collins Connect	13.4 Comparin
	Challenge – More constructions	9.1 Interpreting graphs and diagrams	Challenge – Pla
	Chapters 1–2 assessment on Collins Connect	9.2 Relative sized pie charts	Chapters 12–13
	3.1 Mutually exclusive outcomes and exhaustive outcomes	9.3 Scatter graphs and correlation	14.1 The circur
	3.2 Using a sample space to calculate probabilities	9.4 Creating scatter graphs	14.2 Formula f
	3.3 Estimates of probability	Challenge – Football attendances	14.3 Formula f
	Financial skills – Fun in the fairground	10.1 Algebraic notation	Financial skills
	4.1 Calculating percentages	10.2 Like terms	15.1 Equations
	4.2 Calculating percentage increases and decreases	10.3 Expanding brackets	15.2 Equations
	4.3 Calculating a percentage change	10.4 Using algebraic expressions	15.3 More com
	Challenge – Changes in population (British Values)	10.5 Using index notation	15.4
	5.1 Congruent shapes	Mathematical reasoning – Writing in algebra	Rearranging fo
	5.2 Congruent triangles	11.1 Ratio of lengths, areas and volumes	Mathematical
	5.3 Using congruent triangles to solve problems	11.2 Fractional enlargement	16.1 Grouped f
	Problem solving – Using scale diagrams to work out distances	11.3 Map scales	16.2 Drawing f
	Chapters 3–5 assessment on Collins Connect	Activity – Map reading	16.3 Comparin
	6.1 Metric units for area and volume		16.4 Misleadin
S	6.2 Surface area of prisms		Problem solvir
pic	6.3 Volume of prisms		TV?
T0	Investigation – A cube investigation		
NCC Code s	See National Curriculum Coverage Here		I
	Chapters 1-2 Test week before October half term		
	Chapters 3-5 Week before Christmas holidays (or week before de	epending on events)	
ment	Chapters 6 to 8 week before February half term		
ssess	Chapters 9 to 11 week before Easter holidays		
As	Chapters 12-14 week before May half term		



## ner Term

- nd subtracting fractions ng fractions and integers with integers and fractions ation with large and small numbers large and small numbers lesstimates portion d direct proportion oportion ng direct proportion and inverse proportion anning a trip 3 assessment on Collins Connect nference of a circle or the circumference of a circle or the area of a circle – Athletics stadium with brackets with the variable on both sides plex equations ormulae reasoning – Using graphs to solve equations frequency tables frequency diagrams ng sets of data g charts
- ng Why do we use so many devices to watch

	End of Year exam end of June/beginning of July. Chapters 1 to 16.
	Pupils are expected to be regularly reviewing and revising topics covered, in preparation for the tests.
	As well as this, class teachers will be setting extended learning tasks that will need to be completed. These include exercises from text books, question she
	chapter/topic tests.
E/L	Please check TEAMS for individual tasks set.

#### Set 2

	Autumn Term	Spring Term	Summer
	1.1 Multiplying and dividing negative numbers	7.1 Graphs from linear equations	12.1 Adding and subt
	1.2 Factors and highest common factors (HCF)	7.2 Gradient (steepness) of a straight line	12.2 Multiplying fract
	1.3 Lowest common multiples (LCM)	7.3 Graphs from simple quadratic equations	12.3 Dividing with in
	1.4 Powers and roots	7.4 Real-life graphs	12.4 Multiplication w
	1.5 Prime factors	Challenge – The M25	12.5
	Challenge –Blackpool Tower	8.1 Powers of 10	Division with large as
	2.1 Angles in parallel lines	8.2 Large numbers and rounding	Challenge –Guesstim
	2.2 The geometric properties of quadrilaterals	8.3 Significant figures	13.1 Direct proportion
	2.3 Rotations	8.4 Standard form with large numbers	13.2 Graphs and dire
	2.4 Translations	8.5 Multiplying with numbers in standard form	13.3 Inverse proportio
	2.5 Constructions	Challenge - Space – to see where no one has seen before	13.4 Comparing direc
	Challenge – More constructions	Chapter 6–8 assessment on Collins Connect	Challenge – Planning
	Chapter 1–2 assessment on Collins Connect	9.1 Pie charts	Chapter 12–13 assess
	3.1 Probability scales	9.2 Creating pie charts	14.1 The circle and its
	3.2 Mutually exclusive events	9.3 Scatter graphs and correlation	14.2 Circumference of
	3.3 Using a sample space to calculate probabilities	9.4 Creating scatter graphs	14.3 Formula for the o
	3.4 Experimental probability	Challenge - Football attendances	14.4 Formula for the a
	Financial skills – Fun in the fairground	10.1 Algebraic notation	Financial skills – Ath
	4.1 Calculating percentages	10.2 Like terms	15.1 Equations with b
	4.2 Calculating percentage increases and decreases	10.3 Expanding brackets	15.2 Equations with t
	4.3 Calculating a change as a percentage	10.4 Using algebraic expressions	15.3 More complex qu
	Challenge – Changes in population (British Values)	10.5 Using index notation	15.4
	5.1 Using flow diagrams to generate sequences	Mathematical reasoning – Writing in algebra	Rearranging formula
	5.2 The nth term of a sequence	11.1 Congruent shapes	Mathematical reason
	5.3 Working out the nth term of a sequence	11.2 Enlargements	16.1 Grouped frequer
	5.4 The Fibonacci sequence	11.3 Shape and ratio	16.2 Drawing frequer
	Investigation – Pond borders	11.4 Scales	16.3 Comparing data
	Chapter 3–5 assessment on Collins Connect	Problem solving – Photographs	16.4 Which average to
S	6.1 Årea of a triangle		Problem solving – Te
pic	6.2 Area of a parallelogram		Revision for end of year t
To	6.3 Area of a trapezium		

#### neets, mymaths tasks and revision for



# Term

- otracting fractions
- ctions and integers
- ntegers and fractions
- with large and small numbers
- and small numbers
- nates
- on
- ect proportion
- ion
- ect proportion and inverse proportion
- g a trip
- sment on Collins Connect
- ts parts
- of a circle
- circumference of a circle
- area of a circle
- nletics stadium
- brackets
- the variable on both sides
- uestions

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- ning Using graphs to solve equations ency tables
- ency diagrams
- to use?
- echnology questionnaire
- test

	6.4 Surface areas of cubes and cuboids Investigation – A cube investigation		
NCC Code	See National Curriculum Coverage Here		
Assessment	Chapters 1-2 Test week before half term Chapters 3-5 Week before Christmas holidays (or week before depend Chapters 6 to 8 week before February half term Chapters 9 to 11 week before Easter holidays Chapters 12 to 14 week before May half term End of year exam end of June/beginning of July. Chapters 1 to 16.	ling on events)	
E/L	Pupils are expected to be regularly reviewing and revising topics cove As well as this, class teachers will be setting extended learning tasks th tests. Please check TEAMS for individual tasks set.	ered, in preparation for the tests. hat will need to be completed. These include exercises from text book	s, question sheets, my

### Set 3 & 4

	Autumn Term	Spring Term	Summer
	1.1 Adding and subtracting with negative numbers	7.1 Rules with coordinates	12.1 Adding and su
	1.2 Multiplying and dividing negative numbers	7.2 Graphs from rules	12.2 Multiplying fra
	1.3 Factors and highest common factors (HCF)	7.3 Graphs from simple quadratic equations	12.3 Dividing with i
	1.4 Multiples and lowest common multiple (LCM)	7.4 Distance–time graphs	12.4 Multiplication
	1.5 Squares, cubes and roots	Problem solving – The M60	12.5 Division with p
	1.6 Prime factors	8.1 Powers of 10	Problem solving –M
	Challenge –The Eiffel Tower	8.2 Large numbers and rounding	13.1 Direct proporti
	2.1 Parallel and perpendicular lines	8.3 Significant figures	13.2 Graphs and dir
	2.2 Angles in triangles and quadrilaterals	8.4 Estimating answers	13.3 Inverse propor
	2.3 Translations	8.5 Problem solving with decimals	13.4 The difference
	2.4 Rotations	Challenge – Space – to see where no one has seen before	Challenge – Coach t
	Challenge – Constructing triangles	Chapter 6-8 assessment on Collins Connect	Chapter 12–13 asses
	Chapter 1–2 assessment on Collins Connect	9.1 Information from charts	14.1 The circle and i
	3.1 Probability scales	9.2 Reading pie charts	14.2 Circumference
	3.2 Collecting data for a frequency table	9.3 Creating pie charts	14.3 A formula to w
	3.3 Mixed events	9.4 Scatter graphs	circle
	3.4 Using a sample space to calculate probabilities	Challenge – What should we eat?	Activity – Construc
	3.5 Experimental probability	10.1 Algebraic notation	15.1 Equations
ស	Financial skills – Fun in the fairground	10.2 Like terms	15.2 Equations with
pic	4.1 Calculating percentages	10.3 Expanding brackets	15.3 More complex
Ĕ	4.2 Calculating the result of a percentage change	10.4 Using algebra	15.4

ymaths tasks and revision for chapter/topic



## r Term

- ubtracting fractions actions and integers integers and fractions with powers of ten powers of ten Making estimates tion rect proportion rtion between direct and inverse proportion trip essment on Collins Connect its parts e of a circle work out the approximate circumference of a ctions h brackets
- equations

	4.3 Calculating a percentage change	10.5 Using powers	Substituting into fo	
	Challenge – Changes in population (British Values)	Mathematical reasoning – Strawberries	Reasoning – Old tre	
	5.1 The Fibonacci sequence	11.1 Congruent shapes	16.1 Frequency tabl	
	5.2 Algebra and function machines	11.2 Shape and ratio	16.2 The mean	
	5.3 The nth term of a sequence	11.3 Scale diagrams	16.3 Drawing frequ	
	Investigation – Pond borders	Financial skills – Carpeting a bungalow	16.4 Comparing da	
	Chapter 3–5 assessment on Collins Connect		16.5 Which average	
	6.1 Area of a rectangle		Problem solving –	
	6.2 Areas of compound shapes		Revision for end of yea	
	6.3 Area of a triangle			
	6.4 Area of a parallelogram			
	Investigation – Pick's formula			
u	See National Curriculum Coverage Here			
	See National cumculant coverage here			
	Chapters 1-2 Test week before half term.			
	Chapters 3-5 Week before Christmas holidays (or week before depe	nding on events).		
	Chapters 6 to 8 week before February half term			
lent	Chapters 9 to 11 week before Easter holidays			
essm	Chapters 12 to 14 week before May half term			
Ass	End of year exam end of June/ beginning of July. Chapters 1 to 16.			
	Pupils are expected to be regularly reviewing and revising topics co	overed, in preparation for the tests.		
Ļ	As well as this, class teachers will be setting extended learning tasks that will need to be completed. These include exercises from text books, question sheets, my			
Ы	Please check TEAMS for individual tasks set.		2	

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### ymaths tasks and revision for chapter/topic tests.

### Foundation

	Autumn Term	Spring Term	Summer
Topics	<ul> <li>1.1 Place value and ordering numbers</li> <li>1.2 The four rules</li> <li>1.3 Order of operations and BIDMAS</li> <li>2.1 Systems of measurement (British Values)</li> <li>2.2 Conversion factors</li> <li>2.3 Scale drawings</li> <li>2.4 Nets</li> <li>2.5 Using an isometric grid</li> <li>3.1 Frequency tables</li> <li>3.2 Statistical diagrams (British Values)</li> <li>3.3 Line graphs</li> <li>3.4 Statistical averages (British Values)</li> <li>4.1 Angles facts</li> <li>4.2 Triangles</li> <li>4.3 Angles in a polygon</li> <li>4.4 Regular polygons</li> <li>4.5 Angles in parallel lines</li> <li>4.6 Special quadrilaterals</li> <li>4.7 Bearings (British Values)</li> </ul>	<ul> <li>5.1 Multiples of whole numbers</li> <li>5.2 Factors of whole numbers</li> <li>5.3 Prime numbers</li> <li>6.1 Rounding whole numbers</li> <li>6.2 Rounding decimals</li> <li>6.3 Approximating calculations</li> <li>7.1 Calculating with decimals</li> <li>7.2 Fractions and reciprocals</li> <li>7.3 Writing one quantity as a fraction of another</li> <li>7.4 Adding and subtracting fractions</li> <li>7.5 Multiplying and dividing fractions</li> <li>7.6 Fractions on a calculator</li> <li>8.1 Graphs and equations</li> <li>8.2 Drawing linear graphs by finding points</li> <li>8.3 Gradient of a line</li> <li>8.4 y = mx + c</li> <li>8.5 Finding the equation of a line from its graph</li> <li>8.6 The equation of a parallel line</li> <li>8.7 Real-life uses of graphs</li> <li>8.8 Solving simultaneous equations using graphs</li> </ul>	9.1 Basic algebra 9.2 Substitution 9.3 Expanding brac 9.4 Factorisation 9.5 Quadratic expan 9.6 Quadratic factor 9.7 Changing the su 10.1 Ratio 10.2 Speed, distance 10.3 Direct proport 10.4 Best buys Revisit topics from
Exam Spec 7 w/link	AQA   Mathematics   Subject content   3.1 Number         AQA   Mathematics   Subject content   3.3 Ratio, proportion and rates of         change         AQA   Mathematics   Subject content   3.4 Geometry and measures         AQA   Mathematics   Subject content   3.6 Statistics	AQA   Mathematics   Subject content   3.1 Number AQA   Mathematics   Subject content   3.2 Algebra	AQA   Mathematics   S AQA   Mathematics   S change
Assessment	Chapter 1 and 2 Test week before half term Chapters 1-4 test week before Christmas holidays Chapters 1 to 6 test week commencing week before February half Chapters 1 to 8 test week before Easter holidays Chp 1-10 test week before May half term End of year - Chp 1-10 test end of June/beginning of July	term	1
E/L	Pupils are expected to be regularly reviewing and revising topics of As well as this, class teachers will be setting extended learning task tests. Please check TEAMS for individual tasks set.	covered, in preparation for the tests. ks that will need to be completed. These include exercises fron	n text books, question sheets, n

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nsion prisation ubject of a formula

ce and time (British Values) tion problems

chapters 1-10

Subject content | 3.2 Algebra Subject content | 3.3 Ratio, proportion and rates of

mymaths tasks and revision for chapter/topic

### Higher

	Autumn Term	Spring Term	Summe
	1.1.Solving real-life problems	5.1 Ratio	91 Circumferenc
	1.2 Multiplication and division with decimals	5.2 Direct proportion problems	92 Area of a para
	1.3 Approximation of calculations	5.3 Best buys	9.3 Area of a trap
	1.4 Multiples, factors, prime numbers, powers and roots	5.4 Compound measures (British Values)	9.4 Sectors
	1.5 Prime factors, LCM and HCF	5.5 Compound interest and repeated percentage change	9.5 Volume of a r
	1.6 Negative numbers	5.6 Reverse percentage (working out the original amount)	9.6 Cylinders
	2.1 One quantity as a fraction of another	6.1 Angle facts	9.7 Volume of a r
	2.2 Adding, subtracting and calculating with fractions	6.2 Triangles	9.8 Cones
	2.3 Multiplying and dividing fractions	6.3 Angles in a polygon	9.9 Spheres
	2.4 Fractions on a calculator	6.4 Regular polygons	10.1 Drawing line
	2.5 Increasing and decreasing quantities by a percentage (British	6.5 Angles in parallel lines	10.2 Gradient of a
	Values)	6.6 Special quadrilaterals	10.3 Drawing gra
	2.6 Expressing one quantity as a percentage of another	6.7 Scale drawings and bearings (British Values)	methods
	3.1 Statistical representation	7.1 Congruent triangles	10.4 Finding the
	3.2 Statistical measures (British Values)	7.2 Rotational symmetry(British Values)	10.5 Real-life uses
	3.3 Scatter diagrams (British Values)	7.3 Transformations	10.6 Solving simu
	4.1 Patterns in number	7.4 Combinations of transformations	10.7 Parallel and
	4.2 Number sequences	7.5 Bisectors	Revisit topics from
	4.3 Finding the nth term of a linear sequence	7.6 Defining a locus	
	4.4 Special sequences (British Values)	7.7 Loci problems	
	4.5 General rules from given patterns	7.8 Plans and elevations	
	4.6 The nth term of a quadratic sequence	8.1 Basic algebra	
	4.7 Finding the nth term for guadratic sequences	8.2 Factorisation	
		8.3 Ouadratic expansion	
		8.4 Expanding squares	
		8.5 More than two binomials	
Ś		8.6 Ouadratic factorisation	
pic		$\tilde{8.7}$ Factorising ax2 + bx + c	
To		8.8 Changing the subject of a formula	
	AQA   Mathematics   Subject content   3.1 Number	AQA   Mathematics   Subject content   3.2 Algebra	AQA   Mathematics
xam	AQA   Mathematics   Subject content   3.2 Algebra	AQA   Mathematics   Subject content   3.3 Ratio, proportion and rates of change	AQA   Mathematics
шv	AQA   Mathematics   Subject content   3.6 Statistics	AQA   Mathematics   Subject content   3.4 Geometry and measures	
	Chapter 1 and 2 Test week before half term		
	Chapters 1-4 test week before Christmas holidays		
	Chapters 1 to 6 week before February half term		
nent	Chapters 1 to 8 test week before Easter holidays		
sessr	Chp 1 – 10 test week before May half term		
Ast	End of year chp 1-10 test beginning of July		
	Pupils are expected to be regularly reviewing and revising topics of	covered, in preparation for the tests.	
	As well as this, class teachers will be setting extended learning task	ks that will need to be completed. These include exercises from text boo	ks, question sheets,

tests.

 $\mathbf{d}$  Please check TEAMS for individual tasks set.

# er Term

ce and area of a circle allelogram pezium

orism

pyramid (British Values)

ear graphs from points a line aphs by gradient-intercept and cover-up

equation of a line from its graph es of graphs (British Values) ultaneous equations using graphs perpendicular lines om chapters 1-10

Subject content | 3.2 Algebra
 Subject content | 3.4 Geometry and measures

, mymaths tasks and revision for chapter/topic

### Foundation

	Autumn Term	Spring Term	Summer
	11.1 Rectangles	15.1 Solving linear equations	19.1 Constructing t
	11.2 Compound shapes	15.2 Solving equations with brackets	19.2 Bisectors
	11.3 Area of a triangle	15.3 Solving equations with the variable on both sides	19.3 Defining a locu
	11.4 Area of a parallelogram	16.1 Equivalent percentages, fractions and decimals	19.4 Loci problems
	11.5 Area of a trapezium	16.2 Calculating a percentage of a quantity	20.1 Sectors
	11.6 Circles	16.3 Increasing and decreasing quantities by a percentage	20.2 Pyramids
	11.7 The area of a circle	16.4 Expressing one quantity as a percentage of another	20.3 Cones
	11.8 Answers in terms of $\pi$	16.5 Compound measures	20.4 Spheres
	12.1 Rotational symmetry (British Values)	17.1 Compound interest and repeated percentage change	21.1 Patterns in nu
	12.2 Translation	17.2 Reverse percentage (working out the original value)	21.2 Number seque
	12.3 Reflections	17.3 Direct proportion	21.3 Finding the nt
	12.4 Rotations	17.4 Inverse proportion	21.4 Special sequen
	12.5 Enlargements	18.1 Sampling (British Values)	21.5 General rules f
	12.6 Using more than one transformation	18.2 Pie charts	22.1 Pythagoras' th
	12.7 Vectors	18.3 Scatter diagrams	22.2 Calculating the
	13.1 Calculating probabilities	18.4 Grouped data and averages	22.3 Applying Pyth
	13.2 Probability that an outcome will not happen		22.4 Pythagoras' th
	13.3 Mutually exclusive and exhaustive outcomes		22.5 Trigonometric
	13.4 Experimental probability		22.6 Calculating ler
	13.5 Expectation		22.7 Calculating an
	13.6 Choices and outcomes		22.8 Trigonometry
	14.1 3D shapes		22.9 Solving proble
Ś	14.2 Volume and surface area of a cuboid		22.10 Trigonometry
pic	14.3 Volume and surface area of a prism		22.11 Trigonometry
To	14.4 Volume and surface area of cylinders		
0 0	AQA   Mathematics   Subject content   3.2 Algebra	AQA   Mathematics   Subject content   3.1 Number	AQA   Mathematics   S
s Spe	AQA   Mathematics   Subject content   3.4 Geometry and measures	AQA   Mathematics   Subject content   3.2 Algebra	AQA   Mathematics   S
xam //linl	AQA   Mathematics   Subject content   3.5 Probability	AQA   Mathematics   Subject content   3.3 Ratio, proportion and rates of change	
ШЗ		AQA   Mathematics   Subject content   3.6 Statistics	
	Chn 1-12 Test week before October half term		
	Chapters 1-14 Test week before Christmas holidays		
	Chapters 1-16 week before February half term		
	Chapters 1 to 18 test week before Faster holidays		
ent	Chapters 1 to 20 test week before May half term/ Mock week		
ssm	Chp 1-22 End of Year 10 Exam beginning of July		
Asse	Chp 1-22 End of Tear to Exam beginning of July		
	Pupils are expected to be regularly reviewing and revising topics	covered, in preparation for the tests.	
	As well as this, class teachers will be setting extended learning tas	ks that will need to be completed. These include exercises from text book	s, question sheets, my
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# er Term

, triangles

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umber iences nth term of a linear sequence ences from given patterns heorem he length of a shorter side thagoras' theorem in real-life situations theorem and isosceles triangles ic ratios engths using trigonometry ingles using trigonometry without a calculator lems using trigonometry ry and bearings ry and isosceles triangles. Subject content | 3.2 Algebra

Subject content | 3.2 Algebra Subject content | 3.4 Geometry and measures

nymaths tasks and revision for chapter/topic tests.

	Autumn Term	Spring Term	Summer
pics	<ul> <li>11.1 Pythagoras' theorem (British Values)</li> <li>11.2 Finding the length of the shorter side</li> <li>11.3 Applying Pythagoras' theorem in real-life situations</li> <li>11.4 Pythagoras' theorem and isosceles triangles</li> <li>11.5 Pythagoras' theorem in three dimensions</li> <li>11.6 Trigonometric ratios</li> <li>11.7 Calculating angles</li> <li>11.8 Using the sine and cosine functions</li> <li>11.9 Using the tangent function</li> <li>11.10 Which ratio to use</li> <li>11.11 Solving problems using trigonometry</li> <li>11.12 Trigonometry and bearings</li> <li>11.3 Trigonometry and isosceles triangles</li> <li>12.2 Areas and volumes of similar shapes</li> <li>13.1 Experimental probability</li> <li>13.2 Mutually exclusive exhaustive outcomes</li> <li>13.3 Expectation</li> <li>13.4 Probability and two-way tables (British Values)</li> <li>13.5 Probability and Venn diagrams</li> <li>14.1 Powers (indices)</li> <li>14.3 Standard form</li> </ul>	<ul> <li>15.1 Linear equations</li> <li>15.2 Elimination methods for simultaneous equations</li> <li>15.3 Substitution method for simultaneous equations</li> <li>15.4 Balancing coefficients to solve simultaneous equations</li> <li>15.5 Using simultaneous equations to solve problems</li> <li>15.6 Linear inequalities</li> <li>15.7 Graphical inequalities</li> <li>16.1 Rational numbers, reciprocals, terminating and recurring decimals</li> <li>16.2 Estimating powers and roots</li> <li>16.3 Negative and fractional powers</li> <li>16.4 Surds</li> <li>16.5 Limits of accuracy</li> <li>16.6 Problems involving limits of accuracy</li> <li>16.7 Choices and outcomes</li> <li>17.1 Plotting quadratic graphs</li> <li>17.2 Solving quadratic equations by factorisation</li> <li>17.3 Solving a quadratic equations by completing the square</li> <li>17.5 The significant points of a quadratic curve</li> <li>17.6 Solving one linear and one non-linear equation using graphs</li> <li>17.7 Solving quadratic equations by the method of intersection</li> <li>17.8 Solving linear and non-linear simultaneous equations algebraically</li> <li>17.9 Quadratic inequalities</li> <li>Chapter 18 (all topics contain British Values)</li> <li>18.1 Collecting data</li> <li>18.2 Frequency polygons</li> <li>18.4 Box plots</li> </ul>	19.1 Addition rules 19.2 Combined eve 19.3 Tree diagrams 19.4 Independent e 19.5 Conditional pr 20.1 Circle theorem 20.2 Cyclic quadrila 20.3 Tangents and a 20.4 Alternate segn 21.1 Direct proport 21.2 Inverse propor 22.1 Further 2D pro 22.3 Trigonometric 22.4 Solving any tri 22.5 Using sine to c
Exam Spec	AQA       Mathematics       Subject content       3.1 Number         AQA       Mathematics       Subject content       3.3 Ratio, proportion and rates of         change       AQA       Mathematics       Subject content       3.4 Geometry and measures         AQA       Mathematics       Subject content       3.5 Probability	AQA   Mathematics   Subject content   3.1 Number         AQA   Mathematics   Subject content   3.2 Algebra         AQA   Mathematics   Subject content   3.6 Statistics	AQA   Mathematics <u>change</u> AQA   Mathematics AQA   Mathematics
Assessment	Chp 1-12 test week before October half term Chapters 1-14 test week before Christmas holidays Chapters 1-16 test week before February half term Chapters 1 to 18 test week before Easter holidays Chapters 1 to 20 test during Year 10 mock week Chapters 1 to 21/22 (to be advised) test beginning of July		
E/L	Pupils are expected to be regularly reviewing and revising topics As well as this, class teachers will be setting extended learning tas tests. Please check TEAMS for individual tasks set.	covered, in preparation for the tests. Sks that will need to be completed. These include exercises from text boo	oks, question sheets, 1

## r Term

s for outcomes of events ents

- events
- robability
- ns
- aterals
- chords
- nent theorem
- ion
- rtion
- oblems
- oblems
- ratios of angles between 0° and 360°
- iangle
- calculate the area of any triangle

| Subject content | 3.3 Ratio, proportion and rates of

Subject content 3.4 Geometry and measures Subject content 3.5 Probability

mymaths tasks and revision for chapter/topic

### Foundation

	Autumn Term	Spring Term	Summe
	23.1 Congruent triangles	27.1 Distance-time graphs	Recall and master
	23.2 Similarity	27.2 Plotting quadratic graphs	
	24.1 Combined events	27.3 Solving quadratic equations by factorisation	
	24.2 Two-way tables	27.4 The significant points of a quadratic curve	
	24.3 Probability and Venn diagrams	27.5 Cubic and reciprocal graphs	
	24.4 Tree diagrams		
	25.1 Powers (indices)	Revisiting and reviewing of key areas of the curriculum in	
	25.2 Rules for multiplying and dividing powers	preparation for the exam.	
	25.3 Standard form	Recall of knowledge with exam paper practice.	
	26.1 Elimination method for simultaneous equations		
	26.2 Substitution method for simultaneous equations		
S	26.3 Balancing coefficients to solve simultaneous equations		
pic	26.4 Using simultaneous equations to solve problems		
<u>р</u>	26.5 Linear inequalities		
	AQA   Mathematics   Subject content   3.1 Number	AQA   Mathematics   Subject content   3.2 Algebra	
xam pec	AQA   Mathematics   Subject content   3.2 Algebra	AQA   Mathematics   Subject content   3.3 Ratio, proportion and rates of change	
шv	AQA   Mathematics   Subject content   3.5 Probability		
	Chn 1-24 Evam week before October half term		
	Vear 11 Mock exam during Mock week		
	Practice paper end of January/beginning of February		
ent	Mock evan given during second mock week. Practice papers give	en weekly during lessons	
Assessm	GCSE exams	en weekiy during lessons.	
-	Pupils are expected to be regularly reviewing and revising topics	covered, in preparation for the tests.	
	As well as this, class teachers will be setting extended learning tag	sks that will need to be completed. These include exercises from text boo	ks. question sheets.
	tests		, question sheets, i

 $\mathbf{d}$  Please check TEAMS for individual tasks set.

# er Term

ry of knowledge with exam paper practice.

mymaths tasks and revision for chapter/topic

	Autumn Term	Spring Term	Summe
	23.1 Distance –time graphs	25.1 Properties of vectors	Recall and mastery
	23.2 Velocity–time graphs (British Values)	25.2 Vectors in geometry	
	23.3 Estimating the area under a curve	Proof	
	23.4 Rates of change	Revisiting and reviewing of key areas of the curriculum in	
	23.5 Equation of a circle	preparation for the exam.	
	23.6 Other graphs	Recall of knowledge with exam paper practice.	
	23.7 Transformation of the graph $y = f(x)$		
	24.1 Algebraic fractions		
	24.2 Changing the subject of a formula		
	24.3 Functions		
oics	24.4 Composite functions		
Тор	24.5 Iteration		
	AQA   Mathematics   Subject content   3.3 Ratio, proportion and rates of		
xam	<u>change</u>		
шо	AQA Mathematics Subject content 3.4 Geometry and measures		
	October Assessment chapters 1 22		
	Vear 11 Mock evan during Mock Evan week		
	Exam and of January/baginning of Fabruary		
	Mock exam during "second mock week"		
	Practice papers given weekly during lessons		
nent	CCSE Evame		
sessn			
Ast			
	Pupils are expected to be regularly reviewing and revising topics	covered, in preparation for the tests.	
Ļ	As well as this, class teachers will be setting extended learning tas	sks that will need to be completed. These include exercises from text	t books, question sheets, m
ы	Please check TEAMS for individual tasks set.		

## **Useful Links**

Collins Connect | Digital resources for schools

Latest - MyMaths Library

Corbettmaths – Videos, worksheets, 5-a-day and much more

Maths Genie - Free Online GCSE and A Level Maths Revision

# er Term

y of knowledge with exam paper practice.

nymaths tasks and revision for chapter/topic tests.

Topics

1. Algebra and functions 1: Manipulating algebraically 1.1. Manipulating algebraically 1.2. Equanding multiple binomials 1.3. Repainding multiple binomials 1.4. Repainding multiple binomials 1.5. Algebra and functions 2: Equations and inequalities 1.4. Repainding multiple binomials 1.4. Repainding multiple binomials 1.5. Repainding multiple binomials 1.5. Repainding multiple binomials 1.4. Repainding multiple binomials 1.5. Repainding multiple binomials 1.5. Repainding multiple binomials 1.5. Repainding multiple binomials 1.5. Repainding multiple binomials 1.6. Answer functions 1.6. Solving immunation of a multiple binomials 1.5. Repainding multiple binomials 1.5. Repainding multiple binomials 1.6. Repainding multiple binomials 1.	Autumn Term	Spring Term	Summer
1.1Marginularing polynomials algebraically5.1Equations of circles9.1Indefinite integrals1.3. The binomial expansion5.3. Angles in samicircle9.2. The are under a cur1.4. Factorisation5.4. Radius sependicular to the tangent10. Vectors1.5. Algebraic division6.1. Sine and cosine rule10.3. Vector generity1.6. Laws of indices6.1. Sine and cosine rule10.4. Vectors1.7. Manipulating surds6.1. Sine and cosine rule10.4. Vectors2. Algebra and functions 2: Equations and inequalities6.3. Trigonometric equations11. Proof2.1. duadratic functions6.5. Solving trigonometric equations11. Proof by education1.3. Brain and the equations7. Exponentials and logarithms11. Proof by education2.4. diving signal divic equations7. Exponentials and logarithms11.2. Proof by education2.5. Solving simultaneous equations7. Exponentials and logarithms12.2. On Spore and the production equations2.6. Solving simultaneous equations7.1. The function at the product of a cure13. Insoform etcores2.6. Solving simultaneous equations7.1. The function at the product of a cure13. Insoform etcores2.7. Solving almost equations7.4. Logarithmic graphs14. Exponentials2.8. Solving quadratic inequalities7.6. Natural logarithmic12.7. Angles and functions3. Algebra and functions8.0. Offerentiation14. The modulus of functions3. Algebra and functions8.0. Offerentiation of a cure13. Insoform etcores3. Solving quadratic inequalit	1. Algebra and functions 1: Manipulating algebraic expressions	5. Coordinate geometry 2: Circles	9. Integration
1.2. Expanding multiple isomains5.2. Angles in a semicircle9.2. The area under a cur1.3. The binomial segansion5.3. Perpendicular from the centre to a chord10. Vectors1.4. factorisation5.4. Reginal cular from the centre to a chord10. Vectors1.5. Adgebra of division10. Vectors10. Vectors1.6. Lays of indices6. Trigonometry10. Vectors1.7. Maripulating surds6.1. The sine and cosine10.3. Vectors1.8. Addoratid functiona 2. Exuations and inequalities6.3. Trigonometry11. Proof2.4. Obtacitati functiona6.4. Area and cosine11. Proof2.3. Obtacitati functiona7. Exponenticits and particit11. Proof2.4. Solving sinulations of a quadratic function6. A useful formula11. Proof2.5. Solving sinulations of quadratic functions7. Exponentials and logarithms11. Decol by education2.6. Solving linear and quadratic functions7. Exponentials and logarithms1.1. Definition of a function2.6. Solving linear and quadratic functions7.1. Departhms1.2. Composite functions of2.6. Solving linear and quadratic functions7.1. Exponential graphs1.3. Everse functions of3.8. Solving quadratic inquilles7.3. The number e1.4. The modula of functions3.8. Solving quadratic functions8.0. Effect and and and regination of a quadratic functions1.5. Functions in modelli3.8. Solving quadratic functions8.0. Effect and and regination of a regination of a quadratic functions1.7. Exponential graphs1.7. Exponential graphs3.8. Solving quadratic fu	1.1. Manipulating polynomials algebraically	5.1. Equations of circles	9.1. Indefinite integrals
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Spe	A level Mathematics (pearson.com)	Paper 3: 6.1. 7.1.7.2. 7.3. 7.4. 8.1. 8.2. 8.3. 8.4	Paper 1 & 2: 10.1. 10.2
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	Chapter test after every chapter – dates given in lessons.	1	
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	Chp 13 & 14 before December half term		
	Chp 15 before February half term		
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1.1	Homeworks are set weekly for both Pure and Applied lessons. These will include worksheets or r	evision for chapter tests.	

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E vi Paper 3: 85, 86, 71, 72, 73, 74, 75	9.1, 9.2, 9.3, 9.4, 9.5, 1.
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al vectors e dimensions apes

adiction

, 8.7, 8.8 , 1.1, 10.1 (pearson.com)

	Chapter 1 and 2 test Sept/Oct
	Chapter 4 test HT2
	Jan Mock Chapters 1-5
	Chapter 6 & 7 test HT4
	April Mock
	Chapter 16 and 17 Assessment (HT1)
	Chapter 15 Assessment (HT2)
	Applied Mock (70% Mechanics, 30% Statistics) (HT3)
¥	Chapter 12 and 14 (HT3)
eme	Chapter 15 (HT4)
sess	Full Applied Mock (HT 5)
As	Chapter 9, 10 and 11 (HT 5)
	Homeworks are set weekly for both Pure and Applied lessons. These will include worksheets or revision for chapter tests.

## Core Maths - Year 12

Please give link to Specification here - Level 3 Mathematical Studies Specification for first teaching in 2014 (aqa.org.uk)

	Autumn Term	Spring Term	Summer Term
bec Topics	PAPER 1 – All Chapters Chapter 1 – Analysis of Data Chapter 2 – Personal Finance Chapter 3 – Modelling and Estimation Paper 2 Chapter 4 – Critical Analysis Assessed Codes 3.1, 3.2, 3.3 Paper 1 Assessed Codes 3.4 Paper 2 – Common to A, B and C	PAPER 2A – All Chapters Chapter 5 – Normal Distribution Chapter 6 – Confidence Intervals Chapter 7 – Correlation and Regression Paper 2B- All Chapters Chapter 8 – Critical Path Analysis Chapter 9 – Expectation Chapter 10 - Cost-benefit Analysis Paper 2C- All Chapters Chapter 11 – Graphical Methods Chapter 12 – Rates of Change Chapter 13 – Exponential Growth Assessed Codes 3.4, 3.5, 3.6, 3.7 Paper 2A Assessed Codes 3.4, 3.8, 3.9, 3.10 Paper 2B	Revision and Exam Practice
Assessment Si	Assessment at the end of every half-term, for self-identify upon reflection where they were	Assessed Codes 3.4, 3.11, 3.12, 3.13 Paper 2C cusing on certain chapters. DIRTed, marks recorn t wrong.	ded, and returned to students to help the
E/L	Smaller EL's are set throughout each half-term, t	tailored to the needs of each class. Mainly practicing	key techniques and skills.



#### **Resources / Useful Links**

All AS equivalent courses of Core Maths with exam boards have wildly different specifications, this makes finding materials for the course EXTREMELY difficult. We have managed to find resources which complement the course and strengthen certain mathematical techniques and understandings. These resources are filed away internally within the department and distributed to the students when relevant.

The textbook which we follow and is good for most of the course is :

• AQA Mathematical Studies Student Book: Level 3 Certificate by Stan Dolan and June Haighton (ISBN-13 978-0198365938)

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#### AQA Text Book (which we follow) - Contents Pages

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#### 1.2 A fair representation? 1.3 Measures of spread

- 1.4 Box and whisker plots
- 1.5 Cumulative frequency graphs
- 1.6 Histograms 1.7 Choosing methods
- Consolidation exercise 1

#### **Chapter 2 Personal finance**

- 2.1 Budgeting
- 2.2 Income tax

Investigation

- 2.3 Your payslip
- 2.4 Controlling debt
- 2.5 Annual percentage rate (APR)
- 2.6 Mortgages
- 2.7 Savings and investments 2.8 VAT and other percentages
- 2.9 Exchange rates
- 2.10 Inflation
- Consolidation exercise 2
- Investigation

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- 3.2 Standard form
- 3.3 Estimation technique 1 scaling 86
- 3.4 Estimation technique 2 -
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