

BELLERIVE L3 Core Maths SOW



Content: This scheme is the Bellerive adaptation of the AQA L3 Mathematical Studies scheme of work to suit needs of pupils.

Timings: This scheme of work is a working document, timings require adjustments each academic year depending on setting and term length.

Assessment points: Formal assessments will be sat in line with the Y12 LP calendar

Pupil Requirements: Students studying Core Maths (Level 3 – Mathematical Studies) are expected to have achieved a grade 5 or above at GCSE having studied the Higher specification. They will also be expected to purchase a Casio fx-991EX calculator.

Teaching: The course can be taught by a single teacher or pair of teachers. It requires 8 hours a fortnight teaching time (7 minimum).

Timeline • 1 Teacher

AUTUMN			SPRING		SUMMER				
Estimation & Analysis of Data				Personal Finance & Critical Analysis		Normal Distribution & Confidence Intervals			
Week	Page	Торіс	Week	Page	Торіс	Week	Week Page Topic		
1		Intro & Fermi Estimation	1		Compound Interest and AER	1		Normal Distribution	
2		Fermi Estimation	2		VAT, %, Exchange Rates & Inflation	2 - 3	2 - 3 <u>Confidence Intervals</u>		
3-7		Analysis of Data			LP2	4 - 5	4 - 5 Paper 1 Revision & Exams		
		LP1	3-6		Critical Analysis, Data and Sampling				
		HALF TERM	HALF TERM				HALF TERM		
		Personal Finance	Cr	itical A	nalysis & Correlation and Regression			Exams & Finished	
8 - 9		Percentages and Tax	7		Misleading with Data and Critical Analysis Calculations	6 - 7		Paper 2A Revision & Exams	
10 - 11		NI and Loans	9		Work Experience			Preliminary Material	
12 - 13		APR and AER	10-12		Correlation, Regression Lines		Working with prelim material embedded		
14 - 15		<u>Mortgages</u>			Mock Exam		teacher discretion.		
	Overvi	ew Exam Info		nternal	Exams Teaching Resources		Assess	ments Revision Materials	

Pupil Requirements

Core Maths Level 3 – Mathematical Studies

This Level 3 Certificate Mathematical Studies qualification will consolidate students' mathematical understanding, build their confidence and competence in applying mathematical techniques to solve a range of problems and introduce them to new techniques and concepts that will prepare them for further study and future employment within a broad range of academic, professional and technical fields.

Mathematical Studies aims to prepare students for the mathematical demands of higher education and work where there is a distinct mathematical or statistical element, but where the mathematical demands do not stretch to a requirement for A-level Mathematics.

A course of study leading to this qualification should enable students to:

- study a mathematics curriculum that is integrated with other areas of their study, work or interest leading to the application of mathematics in these areas
- develop mathematical modelling, evaluating and reasoning skills
- solve problems some of which will not be well defined and may not have a unique solution
- solve substantial and real life problems encountered by adults
- use ICT as an exploratory tool for developing mathematical understanding and when solving problems
- develop skills in the communication, selection, use and interpretation of their mathematics
- enjoy mathematics and develop confidence in using mathematics.

(AQA, 2020, p27)

Assessment Objectives

Course Overview

Aims

AO1: Use and apply standard techniques (weighting 25-30%).

AO2: Select appropriate techniques to solve problems in a mathematical or non-mathematical context and analyse data and represent situations mathematically (weighting 31-40%).

AO3: Devise strategies to solve problems where the method is not obvious and communicate processes and results (weighting 31-40%).

(AQA, 2020, p27-28)





Examination Information

Paper 1	Paper 2						
60 marks – 90 minutes		60 marks – 90 minutes					
 Analysis of Data Types of data and sampling methods. Measures of spread. Representing data through histograms, cumulative frequency, box plots and stom and 	 4. Critical Analysis a. What critical analysis is. b. Clarity and coincidence. c. Selectivity of data and misleading with data d. Sampling and trialling. e. Critical analysis of models. 						
leaf diagrams.	Option A – Statistical	Option B - Critical Path and Risk	Option C – Graphical				
 Personal Finance Budgeting Income tax and National insurance. VAT and APR, mortgages & debt. AER & savings. Exchange rates. Inflation. Modelling and Estimation Standard form Estimation techniques (Fermi estimations and stating assumptions, subdividing, and scaling) Useful facts, formulae, and lessons from history. 	 5. Normal Distribution a. Features of the normal distribution. b. Standard normal distribution and calculating probabilities. 6. Confidence Intervals a. Quality control. b. The sample mean. c. Confidence intervals. 7. Correlation and Regression a. Lines of best fit. b. Regression lines. c. Pearson's product moment correlation coefficient (PMCC). 	60 marks = 90 minutes 60 critical Path Analysis 11. Graphical Methods 11. Graphical Methods 11. Graphical Methods 11. Graphical Methods 2. Solving equations graphically: 2. Confidence intervals 0. Expectation 2. Equally likely events. 2. Conditional p					

Internal Assessments

Approx. Date	Assessment	Potential Topics Covered		Additional info			
Ostober	Deselles		Percentages and averages; standard deviation with comparison; box plot and IQR; stem and leaf; cumulative frequency; estimation.	Assessment to cover some assumed GCSE knowledge alongside some new content taught from			
October	Daseinie	2	Scatter graphs and correlation; PMCC; calculating and plotting regression lines.	the beginning of this course. (No paper 2 if one teacher)			
November	LP1 -	1	Box plot and IQR with comparison; histograms; standard deviation; percentages and fractions; estimation; tax and NI	If taught by one teacher paper 2 not taught yet.			
November		2	PMCC; scatter graphs and correlation; probability; confidence intervals; standard deviation and mean.				
				1		Estimation; student loads; income tax; national insurance; APR and loans.	Paper 1 complete by now so any topics eligible.
January/February			Analysis of data; PMCC; equation of regression line; standard deviation; normal distribution.	Place greater focus on paper 2.			
March	1 D2*			*Potential mock paper			
	LFJ	2					

Additional Dates						
Parent's evening – January	Exam: Paper 1 –	Exam: Paper 2 –				

Abbreviations Used

PK: Prior Knowledge

• DF: Developed Further

• LP: Learning Programme

Other Notes

- The lesson breakdown is written as a guide; depending on the group's ability and prior knowledge some lessons may take more or less than a 1-hour teaching slot as deemed suitable by the teaching staff.
- GCSE to Core transition booklet included to support students as they move from KS4 to KS5 (Core Maths\0. Introduction)
- Based on 2020-21, advise that paper 1 teacher starts with estimation (chapter 3) as it is a new topic which will engage the interest of students.
- Embed preliminary material as required make specific lesson time during each paper teaching on this.

PAPER 1

1: Analysis of Data

Assumed Knowledge	Key Objectives
Calculating proportion.	Understanding sampling.
Calculating a fraction of an amount.	Construct stem and leaf diagrams and finding the mode and median.
Mean, median, mode and range.	Calculate the standard deviation.
Stem and leaf diagrams.	Calculate IQR and construct box plots to compare data sets.
Drawing box plots.	• Can calculate outliers of a data set as $\pm (1.5 \times IQR)$ and show on a box plot.
Cumulative frequency graphs.	Construct and interpret cumulative frequency diagrams to form conclusions about data sets.
Basic histograms.	Draw and interpret histograms to form conclusions about data sets.

L	Lesson Objective	Learning Outcomes	GCSE	Textbook	Resources	
	Understanding types of data and introducing methods of sampling.	Understand the difference between primary and secondary data.			Core Maths\1. Analysis of Data	
1		Understand the difference between qualitative and quantitative data.	PK	Chapter 1.1 Page 10-11	 PPT 1 Handout 1a & 1b Homework 1 	
		Apply the stratified sampling method.	PK			
2	Representing data using back-to- back stem and leaf diagrams.	Can choose a correct sampling method and explain why or why not it is suitable.			Core Maths\1. Analysis of Data	
		Can sort clustered data into back-to-back stem and leaf diagrams.	DF	Chapter 1.2 Page 14-15	PPT 2Handout 2	
		Can find the mode and median for each data cluster from a back-to-back stem and leaf diagram. DF			Excel Starter Answers 2	

Drawing and interpreting

histograms.

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		Can recall mean, median and mode and range.	PK	
3	Calculating the standard deviation and IQR.	Can calculate the median, LQ, UQ and IQR of a data set and look it up using a calculator.	DF	Chapter 1.3 Page 16-17
		Can calculate standard deviation using a calculator.		
		Can construct a box and whisker plot having calculated or looked up the relevant values on a calculator.	DF	
4	Constructing and comparing box and whisker plots.	Can calculate outliers of a set of data and show them on a box plot.		Chapter 1.3- 1.4 Page 16-21
		State conclusions and make comparisons based on box and whisker plots.	DF	
		Can complete a cumulative frequency table and construct a cumulative frequency curve.	PK	
5	Using cumulative frequency graphs to interpret and compare data sets.	Can estimate the median, LQ, UQ and IQR by using a cumulative frequency curve.	PK	Chapter 1.5 Page 26-29
		Can use a cumulative frequency curve to answer questions about, and make comparisons of, data sets.	DF	
		Recall that frequency is shown by the area of a bar for a histogram.	PK	

Can construct histograms from a given data set.

Can interpret histograms to draw conclusions and solve problems.

Core Maths\1. Analysis of Data

Handout 3a & 3b

Worksheet 3

Homework 3

• Handout 4a & 4b

Worksheet 4

Core Maths\1. Analysis of Data

Handout 5

– Exam Qs

Core Maths\1. Analysis of Data PPT 6

Worksheet 5a

- Matching task Worksheet 5b

Handout 6a & 6b

Worksheet 6

• PPT 5

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Chapter 1.6

Page 34-35

ΡK

DF

Core Maths\1. Analysis of Data

• PPT 4

• PPT 3

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Core Maths

	Choosing the most appropriate method.	Can choose the most appropriate measure of average and spread to best represent the data and ustify this decision.			Core Maths\1.
7		Can choose the most suitable chart to represent the given data.	PK	Chapter 1.7 Page 38-40	Analysis of Data PPT 7
		Can assess data given using both the above by identifying errors and listing improvements that could be made.			Handout 7

2: Personal Finance

Assumed Knowledge	Key Objectives
Budgeting from a bank statement.	Calculate deductions from salaries including income tax, national insurance, student
Percentage of an amount.	loan.
Percentage increase and decrease.	Using APR to understand loans.
Using multipliers.	Understanding mortgages.
Simple and compound interest.	Using AER to understand savings and investment.
Substitution into formulae.	Working with exchange rates.
Exchange rates.	Calculating VAT and other percentages.
	Understanding and calculating inflation.

L	Lesson Objective	Learning Outcomes	GCSE	Textbook	Resources
	Revising percentages (Optional)	Can calculate percentage change & reverse percentages.	PK		Core Maths\2. Personal Finance • PPT 1 • Handout 1 • Worksheet 1
1		Can calculate percentage increase and decrease.	PK	N/A	
		Can calculate simple and compound interest.	PK		
2	Calculating Income Tax	Can read and complete a bank statement.	PK		Core Maths\2. Personal Finance • PPT 2 • Handout 2a & 2b
		Can identify which bands of tax a salary will fall into.		Chapter 2.1- 2.2 Page 50-53	
		Can calculate the income tax for a given salary.		Ŭ	

		Can calculate NI contributions for a given salary.			Core Maths\2	
3	Calculating National Insurance	Can calculate net pay for a given salary.		Chapter 2.3 Page 54-57	 Personal Finance PPT 3 Handout 3 	
		Understands how to calculate the above in terms of weekly or monthly (exam q's vary).				
	Calculating Student Loan contributions	Can differentiate between loan plans for the given timeline.			Core Maths\2. Personal Finance • PPT 4 • Handout 4	
4 Cal cor		Can calculate the total loan amount including interest applied yearly.		Chapter 2.4 Page 58-59		
		Can calculate the first repayment amount.				
		Can calculate the original amount borrowed using the APR formula.			Core Maths\2. Personal Finance • PPT 5a • Handout 5a – Loan Value • Handout 5a – Finding APR	
5a	Working with APR: Loan value & finding the APR	Can calculate the APR and determine if the stated APR is correct.		Chapter 2.5 Page 60-62		
		Can compare loan offers and choose which is best.				
5 h	Working with APR: Finding a payment & each instalment	Can calculate a missing repayment.	Chapter 2.5		Core Maths\2. Personal Finance • PPT 5b • Handout 5b	
5b		nstalment Can calculate the value of equal instalments paid.		Page 60-62		

5c

6a

6b

6c

	Can rearrange the APR formula to make <i>i</i> the subject.			Core Maths\2	
Working with APR: Calculating a single repayment	Can calculate the APR for a loan repaid in a single repayment.			Personal Finance PPT 5c	
	Can calculate APR for single repayments and compare loans.			Handout 5c	
	Understand what a mortgage is and how it operates.			Core Maths\2	
Mortgages: Finding the remaining balance	Can write a recurrence relation for a mortgage.		Chapter 2.6 Page 64-65	Personal FinancePPT 6a	
	Can calculate remaining balance for a mortgage given loan amount, interest, year, and repayment amount.			Handout 6a	
	Recognises that in many cases the balance remaining on a mortgage can increase initially due to interest (link to previous lesson).			Core Maths\2	
Mortgages: Calculating repayments	Understand the given formula for repayments (N being total number of repayments).		Chapter 2.6 Page 64-65	Personal Finance PPT 6b	
				Handout 6b	

Core	e Maths	Level 3 – Ma	thematical Studies		Scheme	of Work
			Recall simple and compound interest and solve problems.	PK		Core Maths\2.
7	AER		Calculate AER using the given formulae or as a percentage.		Chapter 2.7 Page 66-67	Personal FinancePPT 7Handout 7a & 7b
			Use the AER to provide comment or justification.			
8	Vat and Other Percentages		Can calculate a new amount after VAT has been applied.	РК	Chapter 2.8 Page 68-69	Core Maths\2. Personal Finance
			Can calculate the original cost before VAT applied given the cost after (reverse percentages)	DF		
			Solve budgeting and finance problems including VAT	DF		
			Can convert currency using a given exchange rate.	РК		Core Maths\2.
9	Exchange Rates		Can compare value of items in different currencies.	РК	- Chapter 2.9 Page 70-71	 Personal Finance PPT 9 Handout 9
			Understand currency exchange terminology: e.g. bid and ask.			Worksheet 9
			Understand what inflation is			
10	Inflation		Understand the effect of RPI and CPI		Chapter 2.10 Page 72-73	Core Maths∖2. Personal Finance

Calculate adjustments using RPI and CPI

3: Modelling and Estimation

Assumed Knowledge	Key Objectives
 Estimation by rounding to significant figures. Volume of cuboids and cylinders. Index laws. Converting to and from standard form. Calculating with standard form. Calculating percentages. 	 Understand the use of assumptions is required to constrain a problem. Understand that problems can modelled based on the assumptions made. Can state clear assumptions that direct and support the modelling and calculations completed. Can critique their estimation and indicate refinements that could improve it. Are aware of estimated values for typical information required (e.g. Earth's human population).

L	Lesson Objective	Learning Outcomes	GCSE	Textbook	Resources
1	Exploring estimation: an introduction	Recall estimation by rounding to 1 significant figure.	PK	Chapter 3.3- 3.4 Page 86-90	Core Maths\3. Estimation • PPT 1 • Handout 1a & 1b • Worksheet 1 • Homework 1
		Estimate values for given contexts (age, height, quantity).			
		State assumptions to help refine a given problem.			
2	Estimation: an investigation	Develop writing of assumptions.		Chapter 3.5 Page 92-93	Core Maths\3. Estimation • PPT 2 • Excel Calcs 2 • Worksheet 2a - map • Worksheet 2b - task
		Identifying information needed to solve a problem.			
		Solving a typical Fermi estimation problem: can the world's population fit on the Isle of Wight?			

3	Estimation: exam questions	Understand how to simplify and constrain an exam question by making assumptions. Estimate & calculate suitable values for the required information to solve the problem.	Chapter 3.6 – 3.7 Page 94-97	Core Maths\3. Estimation • PPT 3
		Stating clear assumptions to demonstrate working and indicate refinements to help improve your estimation.		• Worksneet 3

PAPER 2

4: Critical Analysis

Assumed Knowledge	Key Objectives
 How to interpret graphs and charts. Able to pick out information from text. 	 Pick out information of text and analyse it from a scrutinous standpoint. Understand that although data can be accurate and analysed correctly, it can still be misleading. Recognising indicators of misleading/vague language. Compare correlation and causation, knowing which event caused the other.

L	Lesson Objective	Learning Outcomes	GCSE	Textbook	Resources
1		Applying logical reasoning to a given scenario.		Chapter 4.1 Page 104-105	Core Maths\4. Critical Analysis • PPT 1 • Worksheet 1
	Understand and Apply Critical Analysis	Form well-structured arguments from robust evidence.			
		Form an appropriate conclusion.			
2	Understand Clarity of Arguments	Understand how different types of language can effect the clarity of an argument.		Chapter 4.2 Page 106-107	Core Maths∖4. Critical Analysis • PPT 2
		To comment on/analyse the strength of an argument.			
		To draw conclusions based on an argument.			

Critical analysis of models

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Core	e Maths	Level 3 – Mathe	matical Studies		Scheme of	fWork
	Selectivity of Data		Understand that data can be selected in such a way that it proves the point of the person conducting the investigation.		Chapter 4.3	Core Maths\4.
3			To find indications in articles showing that data has been misrepresented.		Page 108-109	PPT 3
			Understand the process of a clinical trial.			Core Maths\4. Critical Analysis
4	Sampling and Trailing		Recognise the importance of fair sampling and what a sample should include.		Chapter 4.4 Page 110-111	 PPT 4a Homework 4 PPT 4b – Application Task
			Understand the importance of placebos and control groups.			
5			Interpret graphs and charts.	PK	Chapter 4.5 Page 112-113	Core Maths\4. Critical Analysis • PPT 5
J	misleading with Data	Recognise misleading features of graphs and identify improvements.				
			Understand types of correlation.	PK		
6	Coincidence		Relate correlation to causation. Work out which event causes the other.	DF	Chapter 4.6 Page 114-115	Core Maths\4. Critical Analysis
			Identify possible causal links from articles.			
			Analyse and interpret climate change models.			Core Maths\4.

Critically analyse arguments made based on models.

Critical Analysis

• PPT #

Chapter 4.7

Page 116-117

PAPER 2A

5: The Normal Distribution

Assumed Knowledge	Key Objectives
Rules of probability	Understand many things closely follow a normal distribution
Measures of average	Recognise and use a bell shaped curve
Standard deviation	Understand normal distribution is symmetrical
	Understand the area under the bell curve represents probability
	 knowledge that approximately two thirds of observations lie within 1 standard deviation of the mean and that approximately 95% of observations lie within 2 standard deviations of the mean
	 NOTE: Students are not required to be able to find an unknown mean or standard deviation from a normal distribution for this course.

L	Lesson Objective	Learning Outcomes	GCSE	Textbook	Resources
1		Understand many things closely follow a normal distribution			Core Maths\ 5. Normal Distribution
	Features of a normal distribution	Recognise and use a bell shaped curve and know it is symmetrical		Chapter 5.1 Page 122-123	
		Understand the area under the bell curve represents probability			
2	The standard normal distribution	Understand the link between standard deviation and the mean of a normal curve.			
		Calculate the mean to describe a normal distribution		Chapter 5.2 Page 126-127	Core Maths\ 5. Normal Distribution
		Calculate the variance to describe a normal distribution			

3	Calculating probabilities using a	Understand the area under the curve shows the probability	Chapter 5.3	Core Maths\ 5.
	normal distribution	Use calculator to find a probability for a normal distribution	Page 128-131	Normal Distribution

6: Confidence Intervals

Assumed Knowledge	Key Objectives
 Measures of average Standard deviation Sampling 	 Calculate standard error Construct confidence intervals Use confidence intervals to effectively analyse claims made Understanding that the mean of a sample is called a 'point estimate' for the mean of the population Understand the larger sample, the greater the accuracy Calculating sample mean and finding standard deviation and variance from this.

L	Lesson Objective	Learning Outcomes	GCSE	Textbook	Resources
1	Quality Control	Understanding that the mean of a sample is called a 'point estimate' for the mean of the population.		Chapter 6.1 Page 138-139	Core Maths\6. Confidence Intervals
		Calculate a point estimate for the mean.	DF		
2	The Sample Mean	Can calculate standard error.			Core Maths\6. Confidence Intervals
		Understand the larger sample, the greater the accuracy		Chapter 6.2 Page 140-141	
		Calculate sample mean and use this to find probabilities.			

Scheme of Work

	Constructing 95% Confidence Intervals	Understand the application of confidence intervals		Chapter 6.3 Page 142-143	Core Maths\6. Confidence Intervals
3		Can calculate a 95% confidence interval			
		Justify claims based on given confidence intervals			
	Constructing 98% and other Confidence Intervals	Can calculate a 98% confidence interval			Core Maths\6. Confidence Intervals
4		Can calculate a confidence interval given a percentage (e.g. 90%)		Chapter 6.3 Page 142-143	
		Justify claims based on given confidence intervals			

7: Correlation and Regression

Assumed Knowledge	Key Objectives
 Describing correlation Scatter graphs Lines of best fit 	 Develop understanding of correlation Calculate the PMCC Calculate and plot regression lines Use regression equations to calculate values Appreciating the significance of a positive, zero or negative value of PMCC in terms of correlation of data Understanding that PMCC always has a value in the range from – 1 to + 1 Understanding that the strength of correlation is given by the PMCC

L	Lesson Objective	Learning Outcomes	GCSE	Textbook	Resources
1	Correlation and Lines of Best fit Understand correlation & draw lines of best fit Understand the significance of a positive, zero or negative value of pmcc in terms of correlation of data	PK	Chapter 7.1	Core Maths\ 7.	
1		Understand the significance of a positive, zero or negative value of pmcc in terms of correlation of data		Page 150-152	Regression
	Product Moment Correlation Coefficient	Understand what the PMCC represents and its range $-1 \le r \le 1$			
2		Calculate the PMCC		Chapter 7.3 Page 162-163	Core Maths\ 7. Correlation and Regression
		Use the PMCC to describe correlation in context			

	Calculating & Using Regression Lines Calculate values for regression line equation Plot regression line Plot regression line Compare regression line with LOBF and make predictions	Calculate values for regression line equation			
3		Plot regression line		Chapter 7.2 Page 156-158	Core Maths\ 7. Correlation and Regression
		Compare regression line with LOBF and make predictions			

8: Revision – Paper 1

Assumed Knowledge	Key Objectives
All previous chapters	 To consolidate learning Practice exam questions Develop exam technique

L	Lesson Objective	Learning Outcomes	GCSE	Revision Guide	Resources
1	Analysis of Data	To consolidate learning of this chapter and develop confident exam technique.	PK	Page 4-13	Core Maths\ 8. Revision
2	Representing Data	To consolidate learning of this chapter and develop confident exam technique.	PK	Page 14-17	Core Maths\ 8. Revision
3	Tax and NI	To consolidate learning of this chapter and develop confident exam technique.	PK	Page 28	Core Maths\ 8. Revision

Paper 1 Mixed Revision

Student Loans	To consolidate learning of this chapter and develop confident exam technique.	PK	Page 24-25	Core Maths∖ 8. Revision
APR	To consolidate learning of this chapter and develop confident exam technique.	PK	Page 23	Core Maths\ 8. Revision
AER	To consolidate learning of this chapter and develop confident exam technique.	PK	Page 23	Core Maths\ 8. Revision
Estimation	To consolidate learning of this chapter and develop confident exam technique.	PK	Page 32-39	Core Maths\ 8. Revision

To effectively answer exam questions on any topic in Paper 1.

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Core Maths\ 8.

Revision

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8: Revision – Paper 2A

Assumed Knowledge	Key Objectives
All previous chapters	 To consolidate learning Practice exam questions Develop exam technique

L	Lesson Objective	Learning Outcomes	GCSE	Revision Guide	Resources
1	Critical Analysis	To consolidate learning of this chapter and develop confident exam technique.	PK	Page 42-53	Core Maths\ 8. Revision
2	Normal Distribution	To consolidate learning of this chapter and develop confident exam technique.	PK	Page 56-58	Core Maths\ 8. Revision
3	Confidence Intervals	To consolidate learning of this chapter and develop confident exam technique.	PK	Page 60-66	Core Maths\ 8. Revision
4	Correlation and Regression	To consolidate learning of this chapter and develop confident exam technique.	PK	Page 68-71	Core Maths\ 8. Revision

9: Preliminary Material

Assumed Knowledge	Key Objectives
All chapters relevant to the preliminary material chosen	 To consolidate dissect and interpret preliminary material To apply the preliminary material to exam questions.

L	Lesson Objective	Learning Outcomes	GCSE	Textbook	Resources
	Paper 1 Preliminary	To develop use of preliminary material in answering questions.			Core Maths∖ 9. Revision
1		Develop fermi estimation skills.			
		To develop written communication skills to present findings.			
	Paper 2 Preliminary	To develop use of preliminary material in answering questions.			Core Maths\ 9. Revision
2		Develop critical analysis skills using given preliminary material.			
		To develop written communication skills to present findings.			

References

AQA (2020), Level 3 Mathematical Studies (1350): Specification V1.3 [online]. Available at: <u>https://filestore.aqa.org.uk/resources/mathematics/specifications/AQA-1350-SP-2014.PDF</u> (Accessed: 11/09/20)