Subject	Mathematics		
Title/Topic	**Format**	**Length**	**Date**
Paper 1 – Pure Maths	Written exam paper	2 hours	Tue 30 August 9.00am
Paper 2 – Statistics & Mechanics	Written exam paper	1 hour 15 minutes	Wed 31 August 1.30pm

In this assessment the topics I will be assessed on are…

Paper 1 – Pure Maths

Laws of logarithms
Factor theorem
Tangents and normals
Factorisation
Roots of equations
Manipulation of polynomials
Formal proof
Logarithmic graphs
Minimum and maximum points
Graphs of functions
Cosine Rule
Trigonometric equations
Integration
Exponentials
Area under a curve
Vectors
Coordinate geometry of circles
Trigonometric identities
The binomial expansion
Sine Rule

Paper 2 – Statistics

Box and whisker plots
Histograms
Hypothesis testing and significance level
Discrete probability distributions
Probability distributions
Regression lines and correlation

Paper 2 - Mechanics

Newton's Laws
Variable acceleration in a straight line
Graphs in kinematics
Dynamics of connected particles
Constant acceleration

What should I do to revise and prepare for this assessment?

To prepare for this assessment:

1. Attempt the practice exam papers provided to you by your teacher.
2. Review the QLA from the Lent mock exams and your Pentecost assessments to identify the topics that you need to spend more time on.
3. Review your exercise books and classwork from this year.
4. Complete and re-attempt the unit tests from integral.
5. Practice questions from your text book.
6. Review your class-based topic assessments completed so far this year.

What useful websites/resources could I use to help me prepare?

https://integralmaths.org/

http://www.mathsgenie.co.uk/alevel.html

s-cool.co.uk/a-level/maths

revisionworld.co.uk/a2-level-level-revision/maths

schoolworkout.co.uk/a_level.htm

mathsCentre.ac.uk