



16th December 2022

Dear Parents/Carers,

I am writing to remind you that Year 11 students will sit a maths exam on Tuesday 24th January, the duration of which is 1hr 30 mins. This is a paper 2 exam which requires a calculator. Please can you ensure that your child comes fully equipped for their exam. They should have a black pen (s), pencil, rubber, ruler, sharpener, compass, protractor as well as their scientific calculator.

Should you need to purchase a new calculator, our math's department recommend a Casio Calculator, product code - 85GTX. Please note we only have a small number of spare calculators to loan students in exams. Having the right equipment will ensure that exams can start promptly and that your child is not disadvantaged.

To prepare for the trial exam, as a starting point, we recommend that Year 11 students have excellent attendance to all lessons, actively engage with their learning and complete all set class homework. In addition, they will also need to carry out their own independent revision. Please see below a topic list for both foundation and higher tiers outlining what students will be assessed on to guide their preparation.

Maths (F) **Number:** Percentage problems using a calculator / Money problems / Product of primes / Laws of indices
Algebra: Factorising / simplifying expressions / changing the subject / using formula / substitution / nth term of a sequence / algebra and pie charts
Ratio: Percentage of amounts / ratio problems in context
Geometry and measure: Parts of a circle / Volume / Pythagoras
Statistics: Pie charts / average problems from tables / probability / dual bar charts / real life graphs

Maths (H) **Number:** Percentage problems using a calculator / Cube roots / Product of primes / Fraction of amounts / Laws of indices
Algebra: Factorising / plotting linear graphs using a table of values / recognising types of graphs / changing the subject / using formula / triangular sequences / nth term of a sequence / solving quadratic equations
Ratio: Percentage of amounts / fractions less than 1 / simplifying fractions and ratios / cost problems / density
Geometry and measure: Naming parts of a circle / Similarity / translation / angles in triangles / volume / surface area of cubes / bearings
Statistics: Box plots / average problems from tables / probability / histograms / real life graphs

Please note, if absent, students will be required to complete the exam on their return.

For your information, there will be a further trial exam in maths on Tuesday February 28th. This will be testing knowledge and skills from paper 3 (calculator required).

Starting revision early in an active and sustained way will have a positive impact on academic performance.

Should you have any questions, please contact Danielle.Clayfield@Castlerock.org.uk

Kind regards
Mrs Danielle Clayfield

Assistant Headteacher

