

Year 11 guidance 2021-22

Subject: GCSE Mathematics

Autumn Term 2021 learning topics:

This term students have learned about:
1. Trigonometry (revision SOHCAHTOA) : sin, cos, area rules
2. Sequences (special sequences, linear and quadratic)
3. Probability (Venn Diagrams, Probability Trees, Conditional Probability)
4. Averages, Frequency Diagrams
5. Units of Proportionality

January 2021 Mock Exam duration:

GCSE (edexcel) paper 1 – non calculator – 1.5h

January Mock examination topics for revision:
<ul style="list-style-type: none">• Long multiplication• Quadratic equations• Linear equations, Simultaneous Equations• Sequences• Angles, Angles in Polygons• Speed, distance, and time• Circle theorems• Similar shapes• Percentages and ratios• Stratified sampling• Indices• Standard form• Pressure, force, and area• Percentages• Fractions• Histograms• Transformations• Negative scale factors• Quadratic inequalities• Cumulative frequency (box plots)• Speed, time and distance graphs• Probability (Venn diagrams, probability trees)• Gradient of a straight line• Pythagoras• Fractions• Estimation• Surds• Direct/Indirect proportion• Area/volume• Algebraic Fractions

Spring/Summer 2022 learning topics:

This term students will learn about:
1.Revision GCSE

